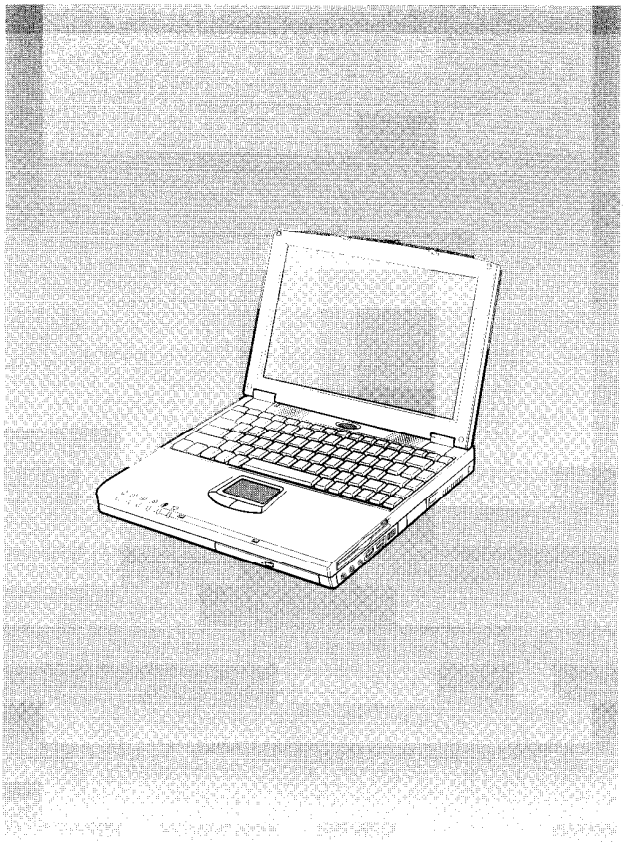
SAMSUNG

NOTE PC

SENS 820/850 Series

SERVICE Manual

NOTE PC



CONTENTS

1 Specifications

2 Exploded View and Mechanical Parts List

3 System Wiring Diagram

4 System Block Diagram

5 Schematic Diagrams

6 Electrical Parts List

1 Specifications

1-1 Safety Precautions

1-1-1 Federal Communications Commission (FCC) Radio Frequency Interference Statement

1-1-1(a) Warning

This equipment has been certified to comply with the limits for a Class B computing device, pursuant to Subpart J of Part 15 of FCC Rules. Only peripherals (system input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this system. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

1-1-1(b) Information to User

This equipment generates and uses radio frequency energy and if not installed and used properly , that is, in strict accordance with the manufacturer's instructions, it may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Re-orient the receiving antenna.
2. Relocate the system with respect to the receiver.
3. Plug the system into a different outlet so that the system and receiver are on different branch circuits.
4. Move the cables connected to the system to minimize the interference.
5. Tighten all cable screws.

If necessary, the user should consult the dealer or an experienced radio/televsion technician for additional suggestions. The user may find the following booklet helpful: "Something About Interference." This is available at FCC local regional offices. Samsung Electronics Co., LTD. is not responsible for any radio or television interference caused by unauthorized modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by Samsung Electronics Co., LTD. The correction will be the responsibility of the user. Use only shielded data cables with this system.

1-1-2 Canadian Radio Interference Regulations

This apparatus does not exceed the class B limits for radio noise emissions set out in the radio interference regulations of the Canadian Department of Communications.

Le prèsent appareil n'émet pas de bruits radioèlectriques dépassant les limites applicable aux appareils digitals de la classe B prescrites par le réglement de brouillage radioélec trique dicté par le Ministére des Communications du Canada.

1-1-3 Important Safety Instructions

Read all instructions.

1. Do not use this product near water .
2. Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage to the product.
3. Slots and openings in the cabinet are provided for ventilation. To ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered by a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
4. Do not place this product in a location where the cord may be tripped on.
5. Select a work surface that is large enough to hold the SENS 620 equipment and any additional items required for your work.
6. Do not allow the battery to be exposed to direct sunlight for extended periods of time.
7. Do not allow anything to rest on the power cord.

8. Never push objects of any kind into this product through the cabinet slots, as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
9. If the product is dropped, the cabinet may be damaged.
10. Do not install or remove the detachable hard disk drive with the system turned on.
11. It indicates a need for service that the product exhibits a distinct change in peformance.
12. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth and ISO-prophyl alcohol for cleaning.
13. This product should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
14. If an extension cord is used with this product, make sure it is a 3-pronged, grounded cord and that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes.
15. NiMH batteries must be recycled or disposed of properly.
16. Do not attempt to disassemble the battery. The electrolyte contained within it is highly toxic and might cause injury to skin or eyes.
17. Charge the battery only as described in this document.
18. Do not short circuit the battery terminals as the resulting high currents can damage the battery.
19. The battery should not be used to power other products.
20. Do not dispose of a used battery in a fire or incinerator.
21. Do not subject the battery to extreme temperature. Battery temperature should be greater than -20°C(-4°F) and less than +50°C (122°F).
22. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

    - When the power cord or plug is damaged or frayed.
    - If liquid has been spilled into the product.
    - If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage.

5-1-2 Signal Location

Signal Name	Sheet Number - Location
AD_SEL	16-B2, 17-B4, 23-B1, 26-D3
ADAPTOR_IN	17-B3, 26-C3
ADAPTOR_IN*	15-C3, 16-B1, 25-A1
AGP3_BUSY*	6-A4, 18-B2, 19-A2, 25-A3
AGP3_GAD(0:31)	3-A4, 18-D2, 25-C4
AGP3_GADSTBA	3-A2, 18-B2, 19-A2, 25-C3
AGP3_GADSTBB	3-A2, 18-B2, 19-A2, 25-C3
AGP3_GCBE*(0:3)	3-A3, 18-C2, 25-A4
AGP3_GDEVSEL*	3-A3, 18-B2, 19-A3, 25-C3
AGP3_GFRAME*	3-A3, 18-B2, 19-A3, 25-C3
AGP3_GGNT*	3-A2, 18-B2, 19-A3, 25-C3
AGP3_GIRDY*	3-A3, 18-B2, 19-A3, 25-C3
AGP3_GPAR	3-A2, 18-B2, 19-A3, 25-C3
AGP3_GREQ*	3-A2, 6-A4, 18-B2, 19-A3, 25-C3
AGP3_GSTOP*	3-A2, 18-B2, 19-A3, 25-C3
AGP3_GTRDY*	3-A2, 18-B2, 19-A3, 25-C3
AGP3_PIPE*	3-A2, 18-B2, 19-A2, 25-C3
AGP3_RBF*	3-A2, 18-B2, 19-A2, 25-C3
AGP3_SBA(0:7)	3-A2, 18-B2, 25-C3
AGP3_SBSTB	3-A2, 18-B2, 19-A2, 25-C3
AGP3_ST(0:2)	3-A2, 18-B2, 25-C3
AUD3_GD(0:6)	20-A1, 20-C1, 22-C4, 26-C3
AUD3_PME*	8-C2, 22-C3, 25-B2
AUD5_MIC	22-A1, 22-B1, 26-B3
AUD5_SPKR	22-B1, 22-C1, 26-B3
BAT5_SMCLKLI*	16-B4, 23-B1, 26-D3
BAT5_SMDATAMH*	16-C4, 23-B2, 26-D3
BAT5_TEMP	15-C1, 23-B1, 25-A1
BAT5_VOLT	15-C2, 23-B2, 25-B1
CA12_VPP	10-B1, 10-C4, 25-A2
CB12_VPP	10-B1, 10-C3, 25-A2
CBA3_A18	9-C4, 10-C4, 25-B2
CBA3_CAD(0:31)	9-D4, 10-D4, 25-D2
CBA3_CAUDIO	9-D4, 10-B4, 10-C2, 25-B2
CBA3_CBLOCK*	9-D4, 10-C2, 10-C4, 25-B2
CBA3_CCBE0*	9-D3, 10-D4, 25-A2
CBA3_CCBE1*	9-D3, 10-C4, 25-A2
CBA3_CCBE2*	9-D3, 10-B4, 25-A2

Signal Name	Sheet Number - Location
CBA3_CCBE3*	9-D3, 10-B4, 25-A2
CBA3_CCD1*	9-C4, 10-C1, 10-D4, 25-B2
CBA3_CCD2*	9-C4, 10-A4, 10-C1, 25-B2
CBA3_CCLK	9-D2, 10-C4, 25-A2
CBA3_CCLKRUN*	9-C4, 10-A4, 10-C2, 25-B2
CBA3_CDEVSEL*	9-D4, 10-C2, 10-C4, 25-B2
CBA3_CFRAME*	9-D4, 10-B4, 25-B2
CBA3_CGNT*	9-D4, 10-C4, 25-B2
CBA3_CINT*	9-D4, 10-C2, 10-C4, 25-B2
CBA3_CIRDY*	9-C4, 10-B4, 10-C2, 25-B2
CBA3_CPAR	9-C4, 10-C4, 25-B2
CBA3_CPERR*	9-C4, 10-C2, 10-C4, 25-B2
CBA3_CREQ*	9-C4, 10-B4, 10-C2, 25-B2
CBA3_CRST*	9-C4, 10-B4, 10-C2, 25-B2
CBA3_CSERR*	9-C4, 10-B4, 10-C2, 25-B2
CBA3_CSTOP*	9-C4, 10-C2, 10-C4, 25-B2
CBA3_CSTSCHG	9-C4, 10-B4, 10-C2, 25-B2
CBA3_CTRDY*	9-C4, 10-B4, 10-C2, 25-B2
CBA3_CVS1	9-C4, 10-C1, 10-C4, 25-A2
CBA3_CVS2	9-C4, 10-B4, 10-C1, 25-A2
CBA3_D14	9-C4, 10-D4, 25-B2
CBA3_D2	9-C4, 10-A4, 25-B2
CBA3_VCC	9-C4, 10-B1, 10-C2, 10-C4, 25-A2
CBB3_A18	9-C1, 10-C3, 25-D2
CBB3_CAD(0:31)	9-D1, 10-D3, 25-C2
CBB3_CAUDIO	9-D1, 10-B3, 10-D2, 25-D2
CBB3_CBLOCK*	9-D1, 10-C3, 10-D2, 25-D2
CBB3_CCBE0*	9-D2, 10-D3, 25-A2
CBB3_CCBE1*	9-D2, 10-C3, 25-A2
CBB3_CCBE2*	9-D2, 10-B3, 25-A2
CBB3_CCBE3*	9-D2, 10-B3, 25-A2
CBB3_CCD1*	9-C1, 10-C1, 10-D3, 25-D2
CBB3_CCD2*	9-C1, 10-A3, 10-C1, 25-D2
CBB3_CCLK	9-D2, 10-C3, 25-A2
CBB3_CCLKRUN*	9-C1, 10-A3, 10-D2, 25-D2
CBB3_CDEVSEL*	9-D1, 10-C3, 10-D2, 25-D2
CBB3_CFRAME*	9-C1, 10-B3, 25-D2
CBB3_CGNT*	9-C1, 10-C3, 25-D2

Signal Name	Sheet Number - Location
CBB3_CINT*	9-C1, 10-C3, 10-D2, 25-D2
CBB3_CIRDY*	9-C1, 10-B3, 10-D2, 25-D2
CBB3_CPAR	9-C1, 10-C3, 25-D2
CBB3_CPERR*	9-C1, 10-C3, 10-D2, 25-D2
CBB3_CREQ*	9-C1, 10-B3, 10-D2, 25-D2
CBB3_CRST*	9-C1, 10-B3, 10-D2, 25-D2
CBB3_CSERR*	9-C1, 10-B3, 10-D2, 25-D2
CBB3_CSTOP*	9-C1, 10-C3, 10-D2, 25-D2
CBB3_CSTSCHG	9-C1, 10-B3, 10-D2, 25-D2
CBB3_CTRDY*	9-C1, 10-B3, 10-D2, 25-D2
CBB3_CVS1	9-C1, 10-C1, 10-C3, 25-D2
CBB3_CVS2	9-C1, 10-B3, 10-C1, 25-D2
CBB3_D14	9-C1, 10-D3, 25-D2
CBB3_D2	9-C1, 10-A3, 25-D2
CBB3_VCC	9-C1, 10-B1, 10-C3, 10-D2, 25-D2
CBS3_PME*	8-C2, 9-A2, 25-B2
CBS3_RI*	9-A1, 16-C2, 25-C2
CBS3_SDATA	9-A1, 10-B2, 25-C2
CBS3_SLATCH	9-A1, 10-B2, 25-D2
CBS3_SPKR	9-A2, 22-C2, 25-A2
CBS3_SUSCLK	9-A1, 10-A2, 10-B2, 25-C2
CDD5_A0	7-C2, 12-C3, 25-C2
CDD5_A1	7-C2, 12-C3, 25-C2
CDD5_A2	7-C2, 12-C4, 25-C2
CDD5_COM	12-C4, 22-B2, 25-A2
CDD5_CS1*	7-C2, 12-C3, 25-C2
CDD5_CS3*	7-C2, 12-C4, 25-C2
CDD5_D(0:15)	7-D2, 12-D3, 12-D4, 25-A3
CDD5_DACK*	7-C2, 12-C4, 25-C2
CDD5_DREQ	7-C2, 12-C4, 25-C2
CDD5_IOR*	7-C2, 12-C3, 25-C2
CDD5_IORDY	7-C2, 12-C3, 25-C2
CDD5_IOW*	7-C2, 12-C3, 25-C2
CDD5_L	12-C4, 22-B2, 25-A2
CDD5_R	12-C4, 22-B2, 25-A2
CHP3_ACPIEN	7-B4, 8-B2, 25-C3
CHP3_BIOSCS*	7-B2, 11-B3, 25-C3
CHP3_BIOSWP	7-C4, 11-B4, 25-D3

Signal Name	Sheet Number - Location
CHP3_CDBUFEN*	7-B4, 12-C2, 25-C3
CHP3_CDPWRON	7-B4, 12-B2, 25-C3
CHP3_CDRST*	7-B4, 12-D3, 25-C3
CHP3_CPUSTP*	2-C4, 7-B4, 25-D4
CHP3_DOCKAUD	7-C4, 22-B3, 25-D3
CHP3_FANON1*	7-B4, 8-A2, 25-C3
CHP3_HDDBUFEN*	7-B4, 12-D2, 25-C3
CHP3_HDDPWRON	7-B4, 12-A2, 25-C3
CHP3_HDDRST*	7-B4, 12-B4, 25-C3
CHP3_IVTPWRON	7-B4, 19-A2, 25-C3
CHP3_KBCCS*	7-B4, 15-C2, 25-C3
CHP3_LEGTHRM*	7-C4, 8-B2, 25-C3
CHP3_PCGNTA*	7-B4, 9-A1, 25-C3
CHP3_PCGNTB*	7-B4, 22-B4, 25-C3
CHP3_PCISTP*	2-C4, 7-B4, 25-D4
CHP3_PCREQA*	7-D4, 9-A1, 25-D3
CHP3_PCREQB*	7-D4, 22-B4, 25-C3
CHP3_PMCCS*	7-B2, 15-C2, 25-C3
CHP3_PME*	7-C4, 8-C1, 25-D3
CHP3_PORT80*	7-B2, 25-C3
CHP3_RSTDCK*	7-B4, 20-C4, 25-C3
CHP3_SERIRQ	6-C1, 7-C4, 9-A1, 20-C2, 22-B4, 24-B2, 25-A3
CHP3_SPDSELA*	5-A4, 7-B4, 25-B3
CHP3_SPDSELB*	5-A4, 7-B4, 25-B3
CHP3_SPKR	7-B4, 22-C2, 25-C3
CHP3_SUSA*	2-B3, 2-C3, 7-B2, 15-C1, 25-C4
CHP3_SUSB*	3-D3, 7-B4, 25-C3
CHP3_SUSC*	7-B4, 9-A2, 25-C3
CHP3_SUSCLK	7-B2, 10-A2, 18-C2, 25-C3
CHP3_SUSSTAT1*	3-D3, 7-B4, 18-B2, 25-C4
CHP3_SUSSTAT2*	7-B4, 20-C2, 25-C3
CHP3_SWAPIN*	7-C4, 12-C3, 25-D3
CHP3_THRM*	7-C4, 8-B1, 25-D3
CHP3_USBPWR0*	7-C4, 17-D4, 25-D3
CHP3_USBPWR1*	7-C4, 17-D4, 25-D3
CHP3_VGASUS*	7-C4, 18-C2, 25-C3
CLK2_HCLK0	2-D1, 3-B4, 25-D4

Signal Name	Sheet Number - Location
CLK2_HCLK1	2-D1, 3-B4, 25-D4
CLK3_48MHZ	2-C3, 6-B3, 25-D4
CLK3_DCLKRW	2-B1, 3-A4, 25-C4
CLK3_MCLK0	2-B1, 5-C4, 25-C4
CLK3_MCLK1	2-B1, 5-C3, 25-C4
CLK3_MCLK2	2-B1, 5-C2, 25-C4
CLK3_MCLK3	2-B1, 5-C1, 25-C4
CLK3_OSCIO	2-D1, 13-B4, 25-D4
CLK3_OSCPX4	2-D1, 6-B3, 25-D4
CLK3_PCLK0	2-D1, 20-A2, 25-D4
CLK3_PCLK1	2-D1, 24-B3, 25-D4
CLK3_PCLKAUD	2-D1, 22-C3, 25-D4
CLK3_PCLKBX	2-D1, 3-A4, 25-D4
CLK3_PCLKCB	2-D1, 9-A3, 25-D4
CLK3_PCLKPX4	2-C1, 6-B3, 25-D4
CPU2_A20M*	3-B4, 3-C4, 6-A4, 25-B4
CPU2_FERR*	3-B4, 6-B4, 25-C4
CPU2_IGNNE*	3-B4, 3-C4, 6-B4, 25-C4
CPU2_INIT*	3-B4, 3-C4, 6-B4, 25-B4
CPU2_INTR	3-B4, 3-C4, 6-B4, 25-B4
CPU2_NMI	3-B4, 3-C4, 6-B4, 25-B4
CPU2_SMI*	3-A4, 3-C4, 6-B4, 25-B4
CPU2_STPCLK*	3-A4, 3-C4, 6-B4, 25-B4
DCK3_PCIRST*	20-C2, 20-C4, 26-C3
DCK3_SCLK	20-C1, 22-B3, 26-C3
DCK3_SDATA_IN	20-C1, 22-B3, 26-C3
DCK3_SDATA_OUT	20-C1, 22-B3, 26-C3
DCK3_SDFS0	20-C1, 22-B3, 26-C3
DCK3_SUSCLK	10-A2, 20-C2, 25-A2
DCK5_DCKIN1*	15-C3, 20-C3, 25-A1
DCK5_EJECT	15-C3, 20-A2
DCK5_LANWAKE*	15-D3, 20-C1, 25-A1
DCK5_PME*	8-C2, 20-C2, 25-B2
DCK5_PORT*	15-C1, 20-A1, 25-A1
DCK5_SPKR	20-C2, 22-C2, 26-B3
DOCK_DC	17-B4, 20-A4, 23-B1, 23-B2, 23-C2, 26-C3
FDD5_DIR*	12-C4, 13-C3, 23-B4, 23-C4 25-B2

Signal Name	Sheet Number - Location
FDD5_DS0*	12-C3, 13-C1, 13-C3, 17-B3, 23-B4, 23-C4, 25-B2
FDD5_DSKCHG*	12-C4, 13-B3, 13-C1, 23-B4, 23-C4, 25-B2
FDD5_EXTIN*	7-C4, 23-C4, 25-D3
FDD5_HDSEL*	12-C3, 13-B3, 23-B4, 23-C4, 25-B2
FDD5_INDEX*	12-C4, 13-C2, 13-C3, 23-A4, 23-C4, 25-B2
FDD5_J3MODE	12-C3, 13-C3, 23-B3, 23-C4, 25-B2
FDD5_MTR0*	12-C3, 13-C3, 23-B4, 23-C4, 25-B2
FDD5_RDATA*	12-C4, 13-B3, 13-C2, 23-B4, 23-C4, 25-B2
FDD5_STEP*	12-C3, 13-C3, 23-B4, 23-C4, 25-B2
FDD5_TRK0*	12-C4, 13-B3, 13-C2, 23-B4, 23-C4, 25-B2
FDD5_WDATA*	12-C4, 13-C3, 23-B4, 23-C4, 25-B2
FDD5_WGATE*	12-C3, 13-B3, 23-B4, 23-C4, 25-B2
FDD5_WP*	12-C3, 13-B3, 13-C2, 23-B4, 23-C4, 25-B2
FIR5_MOD	13-B3, 22-B2, 25-B2
FIR5_RXD	13-B3, 22-B2, 25-B2
FIR5_TXD	13-B3, 22-B2, 25-B2
HDD5_A0	7-D2, 12-A4, 25-D2
HDD5_A1	7-D2, 12-B4, 25-D2
HDD5_A2	7-D2, 12-A3, 25-D2
HDD5_CS1*	7-C2, 12-A4, 25-D2
HDD5_CS3*	7-C2, 12-A3, 25-D2
HDD5_D(0:15)	7-D2, 12-B3, 25-B3
HDD5_DACK*	7-C2, 12-B4, 25-D2
HDD5_DREQ	7-C2, 12-B4, 25-D2
HDD5_IOR*	7-D2, 12-B4, 25-D2
HDD5_IORDY	7-C2, 12-B4, 25-D2
HDD5_IOW*	7-D2, 12-B4, 25-D2

Signal Name	Sheet Number - Location
HDD5_LED*	12-C1, 17-B3, 25-A2
HDD5_QIRQ(14)	12-B4, 12-C2, 12-C3, 12-D2, 25-A2, 25-B2
HDD5_QLED*	12-A4, 12-C2, 25-A2
INT_VDC	19-A1, 19-D1, 26-D3
ISA3_AEN	6-B3, 13-D4, 25-B3
ISA3_DACK*(0:3)	7-A4, 13-C3, 13-C4, 25-D2
ISA3_DRQ(0:7)	7-A4, 7-C1, 13-B4, 13-C4, 25-D2
ISA3_IOCHK*	6-C1, 7-D4
ISA3_IOCHRDY	6-B3, 6-C1, 13-B4, 25-B3
ISA3_IOCS16*	6-B3, 6-C1, 25-B3
ISA3_IOR*	6-B3, 6-C1, 13-D4, 15-C2, 25-B3
ISA3_IOW*	6-B3, 6-C1, 13-D4, 15-C2, 25-B3
ISA3_IRQ(15)	7-B2, 7-C1, 7-C2, 7-D1, 12-C1, 12-D1, 13-B4, 13-C3, 15-C2
ISA3_MEMCS16*	6-B3, 6-C1, 25-B3
ISA3_MEMR*	6-B3, 6-C1, 11-B3, 25-B3
ISA3_MEMW*	6-B3, 6-C1, 11-B4, 25-B3
ISA3_REFRESH*	6-B3, 6-C1, 25-B3
ISA3_RSTDRV	6-B3, 13-B4, 25-B3
ISA3_SA(0:19)	6-D3, 11-C3, 13-B3, 13-D4, 15-C2, 25-D1
ISA3_SBHE*	6-B3, 6-C1, 25-B3
ISA3_SD(0:15)	6-C1, 6-C3, 11-C2, 13-C4, 15-C2, 25-D1
ISA3_TC	7-A4, 13-B4, 25-C3
ISA3_ZWS*	6-B3, 6-C1, 13-B4, 25-B3
KBC2_PWRGDBX	3-D3, 16-D1, 25-C4
KBC3_EXTSMI*	7-B2, 8-D1, 25-C3
KBC3_PWRGDPX4	7-B1, 16-D1, 25-C3
KBC3_RUNSCI*	7-D4, 8-D1, 25-D3
KBC3_WAKESCI*	7-C4, 8-C1, 25-D3
KBC5_A20G	6-A4, 15-C2, 25-A3
KBC5_BKLTON	15-B2, 19-B2, 25-A1
KBC5_BRIT	15-C1, 19-C2, 25-A1

Signal Name	Sheet Number - Location
KBC5_CAPSLED	15-B2, 16-A4, 25-A1
KBC5_CAPSLED*	16-A4, 17-B3, 26-D3
KBC5_CHGEN	15-B3, 17-B3, 23-B2, 25-B1
KBC5_CHGMOD	15-B3, 23-B1, 25-B1
KBC5_CPURST	6-A4, 15-B3, 25-A3
KBC5_DCKDCEN	15-C2, 20-A3, 25-B1
KBC5_EXTSMI*	8-D2, 15-B2, 25-C2
KBC5_FCTRL	15-D2, 16-D4, 25-B1
KBC5_FVPP	15-B1, 16-D3, 25-A1
KBC5_KSI(0:7)	15-B3, 17-C2, 26-B3
KBC5_KSO(0:15)	15-C3, 17-D2, 26-B3
KBC5_LBLED	15-B2, 16-A3, 25-A1
KBC5_LBLED*	16-A3, 17-B3, 26-D3
KBC5_LIDCLOSE*	16-A1, 19-B2, 19-D1, 26-C3
KBC5_MCHG*	15-B3, 23-B2, 25-B1
KBC5_NUMLED	15-B2, 16-B3, 25-B1
KBC5_NUMLED*	16-B3, 17-B3, 26-D3
KBC5_PWRGD*	15-B2, 16-D2, 25-A1
KBC5_PWRON	15-B2, 23-C2, 25-A1
KBC5_PWRSW*	15-B1, 15-D3, 20-A2, 23-C1, 25-A1
KBC5_QS*	15-B3, 23-B2, 25-B1
KBC5_RING*	15-C1, 16-C1, 25-A1
KBC5_RST*	15-B1, 23-C2, 25-A1
KBC5_RUNSCI	8-D2, 15-C2, 25-C2
KBC5_SCLED	15-B2, 16-B4, 25-B1
KBC5_SCLED*	16-B4, 17-B3, 26-D3
KBC5_SMCLKLI*	15-C1, 16-B3, 25-A1
KBC5_SMDATAMH*	15-B3, 16-C3, 25-B1
KBC5_SPKMUTE	15-D3, 20-C1, 22-B2, 25-A1
KBC5_TCLK	15-C3, 17-B3, 25-B1
KBC5_TDATA	15-C3, 17-B3, 25-B1
KBC5_VOLDN*	15-D3, 22-B4, 25-B1
KBC5_VOLUP*	15-D3, 22-B4, 25-A1
KBC5_WAKESCI*	8-C2, 15-D2, 25-B2
LCD_VDD3V	19-B1, 19-C2, 26-D3
LCD5_BKLTON	19-B1, 19-D1, 26-D3
LCD5_BRIT	19-C1, 19-D1, 26-D3
MDM3_PME*	8-C2, 24-C2, 25-B2

Signal Name	Sheet Number - Location
MDM3_RI*	16-C2, 24-C3, 26-D3
MDM5_AUDIO	22-B1, 24-B2, 26-B3
MEM3_CKE0	3-D3, 5-C3, 25-D4
MEM3_CKE1	3-D3, 5-C3, 25-D4
MEM3_CKE2	3-D3, 5-C1, 25-D4
MEM3_CKE3	3-D3, 5-C1, 25-D4
MEM3_CSA0*	3-D4, 5-C4, 25-C4
MEM3_CSA1*	3-D4, 5-C4, 25-C4
MEM3_CSA2*	3-D4, 5-C2, 25-C4
MEM3_CSA3*	3-D4, 5-C2, 25-C4
MEM3_DQMA*(0:7)	3-D3, 5-B1, 5-B2, 5-B3, 5-B4, 5-C1, 5-C2, 5-C3, 5-C4
MEM3_MA(0:13)	3-D1, 4-C2, 4-D2, 5-B1, 5-B2, 5-B3, 5-B4, 5-C1, 5-C2
MEM3_MD(0:63)	3-A1, 4-C4, 25-D1
MEM3_MWEA*	3-D3, 5-C2, 5-C4, 25-D4
MEM3_RMD(0:63)	4-B2, 5-D2, 5-D4, 25-D1
MEM3_SCASA*	3-D3, 5-C1, 5-C3, 25-D4
MEM3_SRASA*	3-D3, 5-C2, 5-C4, 25-D4
MMO3_MID0	3-D2, 7-C4, 25-D3
MMO3_MID1	3-D2, 7-C4, 25-D3
MMO3_MID2	3-D2, 7-C4, 25-D3
MMO3_MID3	3-D2, 7-C4, 25-D3
MMO3_VRPWRGD	3-D3, 7-B1, 25-C3
NBX3_DCLKO	2-B3, 3-A4, 25-D4
NBX3_FQS	2-C4, 3-A4, 25-D4
NBX3_GCLKO	3-A4, 18-A2, 18-C2, 25-B4
PCI3_AD(0:31)	3-D4, 6-B4, 6-D4, 9-A4, 20-A2, 20-D2, 22-C3, 22-D4, 24-B2
PCI3_CBE0*	3-C4, 6-C4, 9-A3, 20-A2, 22-C3, 24-C2, 25-B4
PCI3_CBE1*	3-C4, 6-C4, 9-A3, 20-A2, 22-C3, 24-C2, 25-B4
PCI3_CBE2*	3-C4, 6-C4, 9-A3, 20-A2, 22-C3, 24-C3, 25-B4
PCI3_CBE3*	3-C4, 6-B4, 9-A3, 20-A2, 22-C3, 24-C3, 25-B4
PCI3_CLKRUN*	3-B4, 6-B4, 6-C1, 9-A2, 18-B2, 22-B4, 24-C2, 25-B4
PCI3_DEVSEL*	3-C4, 6-B4, 6-D1, 9-A2, 20-C2, 22-C3, 24-C3, 25-B4
PCI3_FRAME*	3-C4, 6-B4, 6-C1, 9-A2, 20-A2, 22-C3, 24-C2, 25-B4
PCI3_GNT0*	3-B4, 6-D1, 20-C2, 25-A4
PCI3_GNT1*	3-B4, 6-D1, 20-C2, 25-A4
PCI3_GNT2*	3-B4, 6-D1, 24-B3, 25-A4
PCI3_GNT3*	3-B4, 6-D1, 9-A2, 25-A4
PCI3_GNT4*	3-B4, 6-D1, 22-C3, 25-A4
PCI3_INTA*	6-D1, 7-B2, 9-A1, 20-A2, 24-B2, 25-A3
PCI3_INTB*	6-D1, 7-B2, 9-A1, 20-C2, 25-A3
PCI3_INTC*	6-D1, 7-B2, 18-B2, 20-A2, 22-C3, 25-A3
PCI3_INTD*	6-D1, 7-B2, 20-C2, 25-A3
PCI3_IRDY*	3-B4, 6-B4, 6-D1, 9-A2, 20-A2, 22-C3, 24-C3, 25-B4
PCI3_PAR	3-B4, 6-B4, 6-D1, 9-A2, 20-C2, 22-C3, 24-C3, 25-B4
PCI3_PERR*	6-C1, 9-A2, 24-C3, 25-A3
PCI3_PHLDA*	3-B4, 6-B4, 6-D1, 25-B4
PCI3_PHOLD*	3-B4, 6-B4, 6-D1, 25-B4
PCI3_PLOCK*	3-B4, 6-D1, 9-A2, 20-C2, 22-C3, 25-B4
PCI3_REQ0*	3-B4, 6-B4, 6-D1, 20-C2, 25-A4
PCI3_REQ1*	3-B4, 6-A4, 6-D1, 20-C2, 25-A4
PCI3_REQ2*	3-B4, 6-A4, 6-C1, 24-B3, 25-A4
PCI3_REQ3*	3-B4, 6-A4, 6-C1, 9-A2, 25-A4
PCI3_REQ4*	3-B4, 6-A4, 6-C1, 22-C3, 25-A4
PCI3_RST*	3-B4, 6-B4, 9-A2, 10-B2, 18-B2, 20-C4, 22-B2, 22-C3, 24-C3

Signal Name	Sheet Number - Location
PCI3_SERR*	3-B4, 6-B4, 6-D1, 9-A2,
	20-A2, 24-C2, 25-B4
PCI3_STOP*	3-B4, 6-B4, 6-D1, 9-A2,
	20-A2, 22-C3, 24-C2, 25-B4
PCI3_TRDY*	3-B4, 6-B4, 6-D1, 9-A2,
	20-C2, 22-C3, 24-C2, 25-B4
PIO5_ACK*	13-D3, 14-A4, 20-C3, 25-C1
PIO5_AUTOFD*	13-C3, 14-B4, 20-C3, 25-C1
PIO5_BUSY	13-D3, 14-A4, 20-A3, 25-C1
PIO5_ERROR*	13-C3, 14-B4, 20-A3, 25-C1
PIO5_INIT*	13-D3, 14-B4, 20-C3, 25-C1
PIO5_PD(0:7)	13-C3, 14-A4, 14-B4, 20-A3,
	20-C3, 25-B1
PIO5_PE	13-D3, 14-A4, 20-C3, 25-C1
PIO5_SLCT	13-D3, 14-A4, 20-A3, 25-C1
PIO5_SLCTIN*	13-D3, 14-B4, 20-A3, 25-C1
PIO5_STROBE*	13-D3, 14-B4, 20-A3, 25-C1
PS25_KCLK	15-C3, 17-B2, 20-C3, 25-B1
PS25_KDATA	15-C3, 17-B2, 20-C3, 25-A1
PS25_MCLK	15-C3, 17-B2, 20-C3, 25-B1
PS25_MDATA	15-C3, 17-B2, 20-C3, 25-A1
SIO5_CTS*	14-C4, 14-D3, 20-A3, 25-B1
SIO5_CTS1*	13-B3, 14-D3, 25-B2
SIO5_DCD*	14-C4, 14-D4, 20-C3, 25-B1
SIO5_DCD1*	13-B3, 14-D4, 25-B2
SIO5_DSR*	14-C4, 14-D4, 20-A3, 25-B1
SIO5_DSR1*	13-B3, 14-D4, 25-B2
SIO5_DTR*	14-C4, 14-D4, 20-C3, 25-B1
SIO5_DTR1*	13-B3, 14-D3, 25-B2
SIO5_RI*	14-C4, 14-D3, 20-A3, 25-B1
SIO5_RI1*	13-B3, 14-D3, 25-B2
SIO5_RTS*	14-C4, 14-D4, 20-A3, 25-B1
SIO5_RTS1*	13-B3, 14-D4, 25-B2
SIO5_RXD	14-C4, 14-D3, 20-C3, 25-B1
SIO5_RXD1	13-B3, 14-D3, 25-B2
SIO5_TXD	14-C4, 14-D4, 20-C3, 25-B1
SIO5_TXD1*	13-B3, 14-D4, 25-B2
SMB3_ALERT*	3-D2, 7-C4, 8-B2, 25-D3
SMB3_CLK	2-B3, 3-D3, 5-A4, 7-B1,

Signal Name	Sheet Number - Location
	20-B3, 25-D4
SMB3_DATA	2-B3, 3-D2, 5-A4, 7-B1,
	20-B3, 25-D4
SMB3_SCA	5-A3, 5-A4, 25-B3
SMB3_SCB	5-A1, 5-A4, 25-B3
SMB3_SDA	5-A4, 25-B3
SMB3_SDB	5-A2, 5-A4, 25-B3
SND3_C24	20-C1, 22-B2, 22-B3, 26-C3
SND3_RXD	20-C1, 22-B3, 26-C3
SND3_SCLK	22-C2, 22-C3, 26-C3
SND3_SDATA_IN	22-B2, 22-C3, 26-B3
SND3_SDATA_OUT	22-B2, 22-B3, 26-B3
SND3_SDFS0	22-C2, 22-C3, 26-B3
SND3_TXD	20-C1, 22-B3, 26-C3
SND5_SPKOUTL-	19-D1, 22-B1, 26-D3
SND5_SPKOUTL+	19-D1, 22-B1, 26-D3
SND5_SPKOUTR-	19-D1, 22-C1, 26-D3
SND5_SPKOUTR+	19-D1, 22-C1, 26-D3
SWP3_ID0	7-C4, 12-D4, 25-D3
SWP3_ID1	7-C4, 12-D4, 25-D3
SWP3_ID2	7-C4, 12-C3, 25-D3
USB3_OC0*	7-B1, 17-D4, 25-B3
USB3_OC1*	7-B1, 17-D4, 25-B3
USB3_P0-	7-B1, 20-A2, 22-B1, 25-B3
USB3_P0+	7-B1, 20-A3, 22-B1, 25-B3
USB3_P1-	7-B1, 20-C2, 22-B1, 25-B3
USB3_P1+	7-B1, 20-C3, 22-B1, 25-B3
USB5_PWR0	17-D3, 20-A2, 22-B1, 26-C3
USB5_PWR1	17-C3, 20-C2, 22-B1, 26-C3
VGA3_A0+UD1	18-D4, 19-D2, 26-C3
VGA3_A0-UD0	18-D4, 19-C2, 26-C3
VGA3_A1+UD3	18-D4, 19-D2, 26-C3
VGA3_A1-UD2	18-D4, 19-D2, 26-C3
VGA3_A2+UD5	18-D4, 19-D2, 26-C3
VGA3_A2-UD4	18-D4, 19-D2, 26-C3
VGA3_BKLTON*	18-C2, 19-C2, 26-C3
VGA3_BLUE	14-B2, 18-C3, 20-A3, 25-A2
VGA3_C	14-C2, 18-C3, 20-A1, 25-A2
VGA3_CAS0*	18-C2, 19-B4, 26-C3

Signal Name	Sheet Number - Location
VGA3_CKE	18-C2, 19-C3, 19-C4, 26-C3
VGA3_CLK+UD7	18-D4, 19-D2, 26-C3
VGA3_CLK-UD6	18-D4, 19-D2, 26-C3
VGA3_COMP	18-C3, 20-A1, 25-A2
VGA3_CS0	18-C2, 19-C4, 26-C3
VGA3_DDCC	14-B2, 18-B3, 20-C3, 25-A2
VGA3_DDCD	14-B2, 18-B3, 20-C3, 25-A2
VGA3_DQM*(7:0)	18-C2, 19-B4, 26-B4
VGA3_DSF	18-C2, 19-B4, 26-C3
VGA3_GREEN	14-B2, 18-C3, 20-A3, 25-A2
VGA3_HSYNC	14-B2, 18-C3, 20-C3, 25-A2
VGA3_LCDD33	18-C4, 26-C3
VGA3_LCDD34	18-C4, 26-C3
VGA3_LCDVDDON	18-C3, 19-B2, 26-C3
VGA3_MA(10)	18-C2, 18-D2, 19-A4, 19-D4, 26-B4
VGA3_MAW	19-A4, 19-C3, 19-C4, 26-A3
VGA3_MAX	19-A4, 19-D3, 19-D4, 26-A3
VGA3_MAY	19-A4, 19-D3, 19-D4, 26-A3
VGA3_MAZ	19-A4, 19-C3, 19-C4, 26-A3
VGA3_MCK	18-A3, 18-C2, 26-C3

Signal Name	Sheet Number - Location
VGA3_MCKR	18-A3, 19-B4, 26-B3
VA3_MD(59)	18-C1, 18-D1, 18-D3, 19-D4, 26-D2
VGA3_RAS0*	18-C2, 19-B4, 26-C3
VGA3_RED	14-B2, 18-C3, 20-A3, 25-A2
VGA3_VSYNC	14-B2, 18-C3, 20-C3, 25-A2
VGA3_WE*	18-C2, 19-B4, 26-C3
VGA3_Y	14-D2, 18-C3, 20-A1, 25-A2
ZOM3_HREF	9-B4, 18-C3, 25-A2
ZOM3_LRCLK	9-C4, 22-B4, 25-A2
ZOM3_PCLK	9-B4, 18-C3, 25-A2
ZOM3_SCLK	9-C4, 22-B4, 25-A2
ZOM3_SDATA	9-C4, 22-B4, 25-A2
ZOM3_UV(0:7)	9-C4, 18-D3, 25-D2
ZOM3_VSYNC	9-B4, 18-C3, 25-A2
ZOM3_Y(0:7)	9-B4, 18-D3, 25-D2
	25-C2
	25-D4
	5-C3, 5-C4, 25-D3
	24-D3, 25-B4
	25-B4

5-1-3 Sybmol Location

LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND
B1	sheet-14	2-D	B528	sheet-23	4-C	C29	sheet-17	1-B	C5	sheet-14	2-C
B10	sheet-14	4-C	B529	sheet-23	4-C	C3	sheet-14	2-C	C50	sheet-2	2-C
B11	sheet-2	4-D	B530	sheet-23	4-C	C30	sheet-19	1-B	C508	sheet-14	2-B
B12	sheet-22	3-B	B6	sheet-14	2-B	C31	sheet-21	3-D	C509	sheet-14	1-B
B13	sheet-19	1-C	B7	sheet-14	2-B	C32	sheet-19	1-A	C51	sheet-2	2-C
B14	sheet-23	4-C	B700	sheet-30	3-B	C33	sheet-22	3-B	C510	sheet-14	1-B
B15	sheet-23	4-C	B701	sheet-30	3-B	C34	sheet-7	2-A	C511	sheet-14	1-B
B16	sheet-23	4-C	B702	sheet-28	2-D	C35	sheet-2	1-C	C512	sheet-17	2-B
B17	sheet-23	4-C	B703	sheet-28	2-D	C36	sheet-2	3-C	C513	sheet-17	1-B
B18	sheet-23	4-C	B704	sheet-28	2-D	C37	sheet-2	1-C	C514	sheet-17	2-B
B19	sheet-23	4-C	B705	sheet-30	4-C	C38	sheet-15	2-D	C515	sheet-17	1-B
B2	sheet-14	2-C	B706	sheet-30	4-C	C39	sheet-22	3-C	C516	sheet-17	1-B
B20	sheet-17	3-C	B707	sheet-30	4-C	C4	sheet-14	2-D	C517	sheet-17	1-B
B21	sheet-17	3-D	B708	sheet-30	4-C	C40	sheet-2	1-B	C518	sheet-18	4-B
B3	sheet-14	4-C	B8	sheet-14	1-B	C400	sheet-28	4-C	C519	sheet-19	1-C
B4	sheet-14	4-C	B9	sheet-17	1-B	C401	sheet-28	4-C	C52	sheet-2	1-C
B400	sheet-28	1-D	C1	sheet-8	1-A	C402	sheet-29	2-D	C520	sheet-19	1-C
B401	sheet-28	1-D	C10	sheet-14	3-C	C403	sheet-29	1-D	C521	sheet-7	2-A
B402	sheet-28	1-D	C11	sheet-14	3-C	C404	sheet-29	1-D	C522	sheet-7	2-A
B403	sheet-28	1-C	C12	sheet-14	3-C	C405	sheet-29	1-D	C523	sheet-7	2-A
B404	sheet-28	1-C	C13	sheet-14	3-C	C406	sheet-30	3-C	C524	sheet-23	1-B
B405	sheet-28	1-C	C14	sheet-14	3-C	C407	sheet-28	1-D	C525	sheet-15	3-B
B406	sheet-29	4-C	C15	sheet-14	3-C	C408	sheet-28	1-C	C526	sheet-7	4-A
B5	sheet-14	2-B	C16	sheet-14	3-C	C409	sheet-29	2-D	C527	sheet-7	4-A
B507	sheet-18	4-B	C17	sheet-14	4-D	C41	sheet-2	1-B	C528	sheet-6	2-D
B508	sheet-17	1-B	C18	sheet-14	3-C	C410	sheet-29	2-B	C529	sheet-12	4-C
B509	sheet-17	1-B	C19	sheet-14	4-D	C411	sheet-29	4-B	C53	sheet-15	2-D
B510	sheet-17	1-B	C2	sheet-14	2-C	C412	sheet-29	4-B	C530	sheet-12	4-C
B511	sheet-17	1-B	C20	sheet-14	4-D	C413	sheet-29	4-C	C531	sheet-16	2-A
B512	sheet-18	4-B	C21	sheet-14	3-D	C42	sheet-2	2-B	C532	sheet-16	3-D
B513	sheet-18	4-C	C22	sheet-14	3-D	C43	sheet-2	3-C	C533	sheet-15	3-B
B522	sheet-2	3-B	C23	sheet-14	1-B	C44	sheet-2	1-C	C534	sheet-17	4-C
B523	sheet-2	4-D	C24	sheet-14	1-B	C45	sheet-2	1-C	C535	sheet-17	4-C
B524	sheet-23	4-C	C25	sheet-14	1-B	C46	sheet-2	3-C	C536	sheet-23	1-B
B525	sheet-23	4-C	C26	sheet-14	1-B	C47	sheet-2	1-C	C537	sheet-22	2-C
B526	sheet-23	4-C	C27	sheet-23	3-B	C48	sheet-2	2-C	C538	sheet-22	2-C
B527	sheet-23	4-C	C28	sheet-23	3-B	C49	sheet-2	2-C	C539	sheet-22	2-C

LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND
C54	sheet-19	1-C	C728	sheet-29	4-A	CB24	sheet-10	1-B	CB503	sheet-18	4-B
C55	sheet-2	2-B	C729	sheet-29	4-B	CB25	sheet-10	1-B	CB504	sheet-18	4-B
C56	sheet-2	2-B	C730	sheet-28	1-C	CB26	sheet-10	2-B	CB505	sheet-21	3-C
C57	sheet-12	1-B	C731	sheet-29	4-B	CB27	sheet-21	2-D	CB506	sheet-18	4-A
C58	sheet-15	2-D	C732	sheet-29	4-B	CB28	sheet-10	1-B	CB507	sheet-21	2-D
C59	sheet-15	2-B	C733	sheet-29	2-B	CB29	sheet-9	1-B	CB508	sheet-21	2-D
C6	sheet-14	2-C	C734	sheet-29	3-A	CB3	sheet-21	1-D	CB509	sheet-21	2-D
C60	sheet-15	1-B	C735	sheet-29	2-C	CB30	sheet-9	1-B	CB51	sheet-21	1-D
C7	sheet-14	2-C	C736	sheet-29	2-D	CB31	sheet-9	1-B	CB510	sheet-18	3-A
C700	sheet-28	3-C	C737	sheet-29	3-B	CB32	sheet-21	3-D	CB511	sheet-18	3-A
C701	sheet-28	1-B	C739	sheet-30	3-B	CB33	sheet-21	1-D	CB512	sheet-21	3-D
C702	sheet-30	3-B	C740	sheet-30	4-C	CB34	sheet-21	1-D	CB513	sheet-18	1-B
C703	sheet-30	3-B	C741	sheet-28	1-D	CB35	sheet-19	3-B	CB514	sheet-1	3-D
C704	sheet-30	3-B	C742	sheet-28	3-A	CB36	sheet-13	2-B	CB515	sheet-21	4-D
C705	sheet-28	2-D	C743	sheet-29	3-A	CB37	sheet-13	1-B	CB516	sheet-18	4-A
C706	sheet-28	2-D	C8	sheet-21	3-C	CB38	sheet-13	2-B	CB517	sheet-18	4-A
C707	sheet-30	3-B	C9	sheet-17	3-D	CB39	sheet-10	1-B	CB518	sheet-18	1-B
C708	sheet-30	3-B	CB1	sheet-21	1-D	CB4	sheet-21	1-D	CB519	sheet-18	1-B
C709	sheet-28	2-D	CB10	sheet-9	1-B	CB40	sheet-21	4-D	CB52	sheet-21	2-D
C710	sheet-28	2-D	CB100	sheet-5	3-A	CB400	sheet-28	2-B	CB520	sheet-18	3-A
C711	sheet-30	2-D	CB101	sheet-5	3-A	CB401	sheet-28	2-B	CB521	sheet-18	4-A
C712	sheet-28	3-C	CB102	sheet-21	4-D	CB402	sheet-29	1-B	CB522	sheet-18	1-B
C713	sheet-30	3-C	CB103	sheet-12	1-A	CB403	sheet-29	4-A	CB523	sheet-21	3-D
C714	sheet-30	3-C	CB11	sheet-9	1-B	CB41	sheet-10	1-B	CB524	sheet-21	2-D
C715	sheet-30	2-C	CB12	sheet-13	1-B	CB42	sheet-5	3-A	CB525	sheet-21	3-D
C716	sheet-30	4-D	CB13	sheet-21	2-C	CB43	sheet-21	4-D	CB526	sheet-22	2-D
C717	sheet-30	3-C	CB14	sheet-21	3-C	CB44	sheet-21	2-D	CB527	sheet-21	2-D
C718	sheet-30	2-C	CB15	sheet-21	3-C	CB45	sheet-21	4-D	CB528	sheet-21	2-D
C719	sheet-30	1-C	CB16	sheet-21	4-C	CB46	sheet-9	1-B	CB529	sheet-21	2-D
C720	sheet-28	1-D	CB17	sheet-10	2-B	CB47	sheet-9	1-B	CB53	sheet-21	2-D
C721	sheet-28	1-C	CB18	sheet-21	3-C	CB48	sheet-21	3-D	CB530	sheet-21	3-C
C722	sheet-29	2-C	CB19	sheet-21	3-C	CB49	sheet-21	3-D	CB531	sheet-21	2-D
C723	sheet-29	2-C	CB2	sheet-9	1-B	CB5	sheet-21	1-D	CB532	sheet-21	2-D
C724	sheet-29	1-C	CB20	sheet-21	3-D	CB50	sheet-9	1-B	CB533	sheet-21	2-D
C725	sheet-29	1-C	CB21	sheet-21	3-D	CB500	sheet-21	2-D	CB534	sheet-4	1-B
C726	sheet-28	1-C	CB22	sheet-19	2-B	CB501	sheet-23	2-B	CB535	sheet-6	2-A
C727	sheet-28	1-C	CB23	sheet-21	4-D	CB502	sheet-18	4-B	CB536	sheet-6	1-A

LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND
CB537	sheet-6	1-A	CB570	sheet-2	3-D	CB68	sheet-2	4-D	CB93	sheet-12	1-A
CB538	sheet-6	1-A	CB571	sheet-2	3-D	CB69	sheet-22	2-A	CB94	sheet-21	4-D
CB539	sheet-6	1-A	CB572	sheet-2	3-D	CB7	sheet-21	4-C	CB95	sheet-21	4-D
CB54	sheet-21	2-D	CB573	sheet-22	2-A	CB70	sheet-22	3-A	CB96	sheet-5	3-A
CB540	sheet-21	3-D	CB574	sheet-24	2-A	CB700	sheet-28	1-B	CB97	sheet-21	3-D
CB541	sheet-6	1-A	CB575	sheet-21	3-C	CB701	sheet-29	3-C	CB98	sheet-21	4-D
CB542	sheet-21	2-D	CB576	sheet-2	3-B	CB702	sheet-29	3-C	CB99	sheet-21	2-D
CB543	sheet-22	2-C	CB577	sheet-4	2-A	CB703	sheet-29	3-C	CS1	sheet-21	3-B
CB544	sheet-2	3-B	CB578	sheet-21	3-D	CB704	sheet-29	3-C	CS10	sheet-21	2-B
CB545	sheet-2	3-B	CB579	sheet-21	3-D	CB705	sheet-30	2-B	CS11	sheet-21	3-B
CB546	sheet-2	3-B	CB58	sheet-21	4-D	CB706	sheet-29	2-A	CS12	sheet-21	3-B
CB547	sheet-2	3-B	CB580	sheet-21	3-D	CB707	sheet-29	3-A	CS13	sheet-21	3-B
CB548	sheet-2	3-B	CB581	sheet-16	3-D	CB708	sheet-29	4-A	CS14	sheet-21	3-B
CB549	sheet-2	3-B	CB582	sheet-24	2-A	CB71	sheet-21	4-D	CS15	sheet-21	3-B
CB55	sheet-22	1-D	CB583	sheet-21	3-C	CB72	sheet-5	2-A	CS16	sheet-21	4-B
CB550	sheet-2	3-B	CB584	sheet-21	3-C	CB73	sheet-4	1-C	CS17	sheet-21	3-B
CB551	sheet-4	2-B	CB585	sheet-24	2-A	CB74	sheet-4	1-C	CS2	sheet-21	3-B
CB552	sheet-21	3-C	CB586	sheet-21	4-C	CB75	sheet-12	1-B	CS3	sheet-21	2-B
CB553	sheet-4	1-B	CB587	sheet-21	3-C	CB76	sheet-24	2-A	CS4	sheet-21	3-B
CB554	sheet-4	2-B	CB588	sheet-21	3-C	CB77	sheet-24	2-A	CS5	sheet-21	3-B
CB555	sheet-4	1-B	CB589	sheet-21	3-C	CB78	sheet-22	3-A	CS500	sheet-21	3-B
CB556	sheet-21	3-D	CB59	sheet-21	3-D	CB79	sheet-22	1-D	CS501	sheet-21	4-B
CB557	sheet-4	1-B	CB590	sheet-21	3-C	CB8	sheet-21	3-D	CS502	sheet-21	3-B
CB558	sheet-6	2-A	CB591	sheet-21	3-C	CB80	sheet-5	2-A	CS503	sheet-21	3-B
CB559	sheet-6	1-A	CB592	sheet-21	4-C	CB81	sheet-21	4-D	CS504	sheet-21	3-B
CB56	sheet-22	2-A	CB593	sheet-17	3-C	CB82	sheet-21	3-D	CS505	sheet-21	3-B
CB560	sheet-6	1-A	CB594	sheet-17	3-D	CB83	sheet-5	2-A	CS506	sheet-21	2-B
CB561	sheet-6	2-A	CB595	sheet-12	4-A	CB84	sheet-21	4-C	CS507	sheet-21	2-B
CB562	sheet-6	1-A	CB6	sheet-23	2-B	CB85	sheet-21	3-C	CS508	sheet-21	2-B
CB563	sheet-2	3-D	CB60	sheet-5	2-A	CB86	sheet-21	3-C	CS6	sheet-21	3-B
CB564	sheet-2	3-D	CB61	sheet-5	3-A	CB87	sheet-21	4-C	CS7	sheet-21	3-B
CB565	sheet-2	4-D	CB62	sheet-5	3-A	CB88	sheet-21	4-D	CS8	sheet-21	3-B
CB566	sheet-2	3-D	CB63	sheet-21	2-D	CB89	sheet-21	3-C	CS9	sheet-21	3-B
CB567	sheet-2	3-D	CB64	sheet-22	3-A	CB9	sheet-9	1-B	CT1	sheet-23	3-B
CB568	sheet-2	3-D	CB65	sheet-5	2-A	CB90	sheet-21	3-C	CT10	sheet-9	1-B
CB569	sheet-2	3-D	CB66	sheet-21	3-D	CB91	sheet-21	2-D	CT11	sheet-21	2-C
CB57	sheet-21	4-D	CB67	sheet-2	3-D	CB92	sheet-5	2-A	CT12	sheet-10	1-B

LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND
CT13	sheet-10	1-B	CT505	sheet-6	2-A	FD7	sheet-21	1-B	MT16	sheet-21	2-A
CT14	sheet-9	1-B	CT506	sheet-2	4-D	FD8	sheet-21	1-B	MT17	sheet-21	1-A
CT15	sheet-5	2-A	CT507	sheet-2	3-B	J1	sheet-5	3-A	MT18	sheet-21	4-A
CT16	sheet-5	3-A	CT508	sheet-6	2-A	J2	sheet-5	1-A	MT19	sheet-21	1-A
CT17	sheet-2	4-D	CT509	sheet-4	2-A	J3	sheet-22	1-B	MT2	sheet-21	3-A
CT18	sheet-4	2-B	CT510	sheet-6	2-D	J400	sheet-29	4-C	MT3	sheet-21	3-A
CT19	sheet-4	1-C	CT511	sheet-21	1-C	J500	sheet-14	1-C	MT4	sheet-21	3-A
CT2	sheet-21	1-C	CT512	sheet-21	1-C	J501	sheet-14	3-C	MT8	sheet-21	4-A
CT20	sheet-4	2-C	CT513	sheet-21	2-C	J502	sheet-14	1-B	Q1	sheet-8	1-A
CT21	sheet-4	1-C	CT6	sheet-9	1-B	J503	sheet-14	3-A	Q2	sheet-19	1-A
CT22	sheet-4	2-C	CT7	sheet-10	2-B	J504	sheet-17	1-B	Q3	sheet-19	1-A
CT23	sheet-4	2-C	CT700	sheet-28	3-A	J505	sheet-20	1-B	Q4	sheet-19	1-B
CT24	sheet-12	1-B	CT8	sheet-10	2-C	J506	sheet-8	1-A	Q5	sheet-12	1-B
CT25	sheet-22	2-D	CT9	sheet-10	1-C	J507	sheet-23	2-C	Q500	sheet-20	3-A
CT26	sheet-22	1-D	D1	sheet-8	2-D	J508	sheet-10	3-A	Q501	sheet-8	2-B
CT27	sheet-22	1-D	D2	sheet-8	2-D	J509	sheet-19	1-C	Q502	sheet-16	2-D
CT28	sheet-17	3-C	D3	sheet-8	1-B	J510	sheet-3	4-A	Q503	sheet-16	1-D
CT29	sheet-17	3-D	D4	sheet-8	2-C	J511	sheet-24	3-A	Q504	sheet-16	3-D
CT3	sheet-23	2-B	D5	sheet-16	3-C	J512	sheet-24	3-A	Q505	sheet-16	4-D
CT30	sheet-12	1-A	D500	sheet-14	2-B	J513	sheet-12	4-C	Q506	sheet-16	2-B
CT31	sheet-4	2-B	D501	sheet-14	2-B	J514	sheet-23	4-A	Q507	sheet-17	4-B
CT4	sheet-21	1-C	D502	sheet-8	1-C	J515	sheet-24	3-B	Q508	sheet-17	4-B
CT400	sheet-28	1-B	D503	sheet-16	3-D	J516	sheet-17	1-C	Q509	sheet-20	4-B
CT401	sheet-28	1-B	D504	sheet-16	3-D	J517	sheet-6	2-D	Q6	sheet-11	4-B
CT402	sheet-29	2-C	D505	sheet-6	2-D	J518	sheet-23	3-C	Q7	sheet-12	1-A
CT403	sheet-29	4-B	D506	sheet-6	2-D	J519	sheet-12	4-A	R1	sheet-14	2-C
CT404	sheet-29	3-C	D507	sheet-6	2-D	J520	sheet-17	3-B	R10	sheet-6	1-D
CT405	sheet-28	3-D	D6	sheet-16	4-C	J521	sheet-22	1-A	R100	sheet-3	4-A
CT406	sheet-28	3-D	D7	sheet-16	3-C	J522	sheet-23	2-B	R101	sheet-6	1-D
CT407	sheet-28	3-C	D8	sheet-16	3-B	J700	sheet-30	4-B	R102	sheet-6	1-D
CT408	sheet-29	4-B	F1	sheet-17	1-B	J701	sheet-28	2-D	R103	sheet-6	1-D
CT409	sheet-29	1-B	FD1	sheet-21	1-B	J702	sheet-30	4-C	R104	sheet-18	2-D
CT5	sheet-9	1-B	FD2	sheet-21	1-B	J703	sheet-28	1-D	R105	sheet-7	2-A
CT501	sheet-18	4-B	FD3	sheet-21	1-B	J704	sheet-28	1-C	R106	sheet-3	4-C
CT502	sheet-18	4-B	FD4	sheet-21	1-B	LED700	sheet-28	3-A	R107	sheet-3	4-C
CT503	sheet-21	1-C	FD5	sheet-21	1-B	MT11	sheet-21	2-A	R108	sheet-3	4-C
CT504	sheet-21	1-C	FD6	sheet-21	1-B	MT15	sheet-21	2-A	R109	sheet-3	4-C

LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND
R11	sheet-6	1-C	R143	sheet-2	2-D	R177	sheet-5	3-C	R30	sheet-20	3-A
R110	sheet-3	4-C	R144	sheet-15	2-C	R178	sheet-5	3-C	R31	sheet-19	3-C
R111	sheet-7	2-B	R145	sheet-15	3-D	R179	sheet-5	2-C	R32	sheet-8	3-A
R112	sheet-7	2-B	R146	sheet-15	1-C	R18	sheet-6	1-C	R33	sheet-18	3-A
R113	sheet-7	2-B	R147	sheet-19	2-C	R180	sheet-5	2-C	R34	sheet-14	4-B
R114	sheet-2	2-D	R148	sheet-22	3-C	R181	sheet-5	4-C	R35	sheet-10	1-C
R115	sheet-2	2-D	R149	sheet-22	4-B	R182	sheet-11	3-C	R36	sheet-10	1-C
R116	sheet-16	2-C	R15	sheet-6	1-D	R183	sheet-12	1-D	R37	sheet-9	2-D
R117	sheet-8	1-D	R150	sheet-2	2-B	R184	sheet-4	2-D	R38	sheet-10	2-D
R118	sheet-8	2-D	R151	sheet-2	2-B	R185	sheet-4	2-D	R39	sheet-10	2-D
R119	sheet-8	1-D	R152	sheet-2	3-B	R186	sheet-4	2-C	R4	sheet-14	2-B
R12	sheet-6	1-D	R153	sheet-2	3-B	R187	sheet-4	2-D	R40	sheet-10	2-C
R120	sheet-22	2-C	R154	sheet-12	3-C	R188	sheet-4	2-D	R400	sheet-28	3-D
R121	sheet-22	3-B	R155	sheet-12	3-C	R189	sheet-4	2-D	R401	sheet-28	4-C
R122	sheet-2	3-B	R156	sheet-12	1-C	R19	sheet-6	1-D	R402	sheet-28	3-D
R123	sheet-2	2-B	R157	sheet-12	2-B	R190	sheet-12	3-B	R403	sheet-28	4-C
R124	sheet-2	2-B	R158	sheet-15	3-D	R191	sheet-12	3-B	R404	sheet-29	2-D
R125	sheet-2	2-B	R159	sheet-15	3-C	R192	sheet-6	1-C	R405	sheet-29	2-D
R126	sheet-2	2-B	R16	sheet-6	1-C	R193	sheet-11	3-B	R406	sheet-29	3-C
R127	sheet-3	4-C	R160	sheet-15	3-C	R194	sheet-11	4-B	R407	sheet-28	3-D
R128	sheet-3	4-C	R161	sheet-15	3-C	R195	sheet-16	3-C	R408	sheet-28	3-D
R129	sheet-7	2-B	R162	sheet-15	3-C	R196	sheet-16	3-B	R409	sheet-28	3-D
R13	sheet-6	1-D	R163	sheet-15	3-C	R197	sheet-7	2-B	R41	sheet-10	2-C
R130	sheet-7	4-B	R164	sheet-15	3-C	R198	sheet-7	2-B	R410	sheet-29	1-B
R131	sheet-7	4-A	R165	sheet-15	3-C	R199	sheet-12	2-A	R411	sheet-29	2-D
R132	sheet-6	1-C	R166	sheet-8	1-D	R2	sheet-14	2-C	R412	sheet-29	2-C
R133	sheet-2	4-C	R167	sheet-15	2-B	R20	sheet-6	1-C	R413	sheet-29	4-B
R134	sheet-2	2-D	R168	sheet-15	2-D	R21	sheet-10	1-C	R414	sheet-29	2-B
R135	sheet-2	2-C	R169	sheet-15	2-D	R22	sheet-19	1-B	R415	sheet-28	3-C
R136	sheet-2	2-D	R17	sheet-9	2-A	R23	sheet-19	2-B	R416	sheet-29	2-B
R137	sheet-2	3-C	R170	sheet-15	1-B	R24	sheet-18	3-C	R418	sheet-29	4-C
R138	sheet-2	2-C	R171	sheet-22	1-D	R25	sheet-20	1-C	R42	sheet-19	1-B
R139	sheet-2	2-D	R172	sheet-22	1-D	R26	sheet-6	1-D	R420	sheet-19	2-D
R14	sheet-6	1-D	R173	sheet-5	4-C	R27	sheet-19	3-A	R421	sheet-19	2-D
R140	sheet-2	2-D	R174	sheet-5	1-C	R28	sheet-19	3-A	R422	sheet-19	2-D
R141	sheet-2	2-D	R175	sheet-5	1-C	R29	sheet-19	3-A	R423	sheet-19	2-D
R142	sheet-2	2-D	R176	sheet-8	1-B	R3	sheet-14	2-B	R43	sheet-19	3-A

LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND
R44	sheet-18	2-A	R54	sheet-10	2-D	R576	sheet-22	2-C	R609	sheet-12	3-D
R45	sheet-19	3-A	R540	sheet-18	4-C	R577	sheet-22	2-C	R61	sheet-10	2-C
R46	sheet-19	3-A	R542	sheet-19	4-C	R578	sheet-22	4-B	R610	sheet-12	4-C
R47	sheet-19	3-A	R543	sheet-19	4-B	R579	sheet-22	3-C	R611	sheet-16	2-B
R48	sheet-19	3-A	R544	sheet-19	4-A	R58	sheet-10	2-D	R612	sheet-16	2-B
R49	sheet-16	2-C	R545	sheet-19	4-A	R580	sheet-3	4-B	R613	sheet-16	2-B
R5	sheet-14	2-B	R546	sheet-19	4-A	R581	sheet-3	4-B	R614	sheet-15	1-C
R50	sheet-6	1-D	R548	sheet-19	4-A	R582	sheet-3	4-A	R615	sheet-6	1-D
R51	sheet-6	1-C	R55	sheet-10	2-D	R583	sheet-7	4-D	R616	sheet-6	1-C
R514	sheet-14	2-B	R550	sheet-6	1-C	R584	sheet-7	4-B	R617	sheet-24	3-C
R515	sheet-14	2-B	R551	sheet-6	1-C	R585	sheet-6	1-C	R618	sheet-24	3-B
R516	sheet-14	2-B	R552	sheet-13	3-B	R586	sheet-6	1-D	R619	sheet-7	4-D
R517	sheet-14	2-B	R553	sheet-13	3-B	R587	sheet-6	1-C	R62	sheet-10	2-C
R518	sheet-14	2-B	R554	sheet-6	1-C	R588	sheet-7	4-D	R620	sheet-23	4-D
R519	sheet-14	2-B	R555	sheet-6	1-C	R589	sheet-2	4-C	R621	sheet-24	2-B
R52	sheet-8	2-C	R556	sheet-6	1-D	R59	sheet-10	2-D	R622	sheet-8	2-B
R520	sheet-19	3-A	R557	sheet-3	4-A	R590	sheet--7	2-A	R623	sheet-8	2-C
R521	sheet-15	3-C	R558	sheet-6	1-D	R591	sheet-12	3-D	R624	sheet-17	4-D
R522	sheet-19	3-A	R559	sheet-8	1-C	R592	sheet-2	3-C	R625	sheet-17	4-D
R523	sheet-19	3-A	R56	sheet-10	2-D	R593	sheet-16	4-D	R626	sheet-23	3-D
R524	sheet-19	3-A	R560	sheet-7	2-B	R594	sheet-16	3-D	R627	sheet-12	4-B
R525	sheet-19	3-A	R561	sheet-7	2-B	R595	sheet-16	4-D	R628	sheet-8	2-C
R526	sheet-18	3-B	R562	sheet-6	4-B	R596	sheet-16	4-D	R629	sheet-8	2-C
R527	sheet-20	4-A	R563	sheet-7	4-D	R597	sheet-16	2-C	R63	sheet-10	2-C
R528	sheet-3	4-A	R564	sheet-7	4-D	R598	sheet-12	4-B	R630	sheet-12	4-B
R529	sheet-3	4-A	R565	sheet-7	2-B	R599	sheet-7	4-A	R631	sheet-12	3-B
R53	sheet-7	4-D	R566	sheet-7	2-B	R6	sheet-14	4-B	R632	sheet-12	1-D
R530	sheet-18	1-C	R567	sheet-7	2-A	R60	sheet-10	2-D	R633	sheet-15	3-C
R531	sheet-18	4-B	R568	sheet-7	2-B	R600	sheet-6	1-C	R634	sheet-12	1-D
R532	sheet-18	4-B	R569	sheet-6	1-D	R601	sheet-6	1-C	R635	sheet-17	4-B
R533	sheet-19	3-A	R57	sheet-10	2-D	R602	sheet-6	1-C	R636	sheet-17	4-B
R534	sheet-10	2-A	R570	sheet-7	2-A	R603	sheet-6	2-D	R637	sheet-17	4-B
R535	sheet-10	2-A	R571	sheet-16	2-D	R604	sheet-6	2-D	R638	sheet-22	1-C
R536	sheet-18	1-C	R572	sheet-16	2-D	R605	sheet-6	2-D	R639	sheet-22	1-C
R537	sheet-18	4-B	R573	sheet-16	2-D	R606	sheet-6	1-C	R64	sheet-10	2-C
R538	sheet-18	4-C	R574	sheet-16	1-D	R607	sheet-12	4-D	R640	sheet-22	1-C
R539	sheet-18	3-A	R575	sheet-22	2-C	R608	sheet-12	4-D	R65	sheet-10	2-C

LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND
R650	sheet-19	1-D	R717	sheet-29	2-C	R94	sheet-10	1-C	RA502-4	sheet-4	4-C
R651	sheet-19	1-D	R718	sheet-28	1-C	R95	sheet-10	1-C	RA503-1	sheet-4	3-C
R652	sheet-19	1-D	R719	sheet-29	2-A	R96	sheet-10	2-C	RA503-2	sheet-4	3-C
R653	sheet-19	1-D	R72	sheet-18	1-D	R97	sheet-10	2-C	RA503-3	sheet-4	3-C
R654	sheet-19	1-D	R720	sheet-30	3-B	R98	sheet-6	1-D	RA503-4	sheet-4	3-C
R655	sheet-19	1-D	R721	sheet-30	3-B	R99	sheet-3	4-A	RA504-1	sheet-4	4-C
R656	sheet-19	1-C	R722	sheet-28	2-A	RA1-1	sheet-4	3-C	RA504-2	sheet-4	4-C
R657	sheet-19	1-C	R723	sheet-28	3-B	RA1-2	sheet-4	4-C	RA504-3	sheet-4	3-C
R658	sheet-8	1-A	R724	sheet-28	3-B	RA1-3	sheet-4	3-C	RA504-4	sheet-4	4-C
R659	sheet-24	2-B	R73	sheet-18	1-D	RA1-4	sheet-4	4-C	RA505-1	sheet-4	3-C
R66	sheet-19	1-A	R74	sheet-18	1-D	RA2-1	sheet-4	4-C	RA505-2	sheet-4	3-C
R660	sheet-19	4-A	R740	sheet-29	3-A	RA2-2	sheet-4	4-C	RA505-3	sheet-4	4-C
R661	sheet-19	4-A	R741	sheet-29	3-A	RA2-3	sheet-4	4-C	RA505-4	sheet-4	4-C
R662	sheet-19	4-A	R742	sheet-24	2-C	RA2-4	sheet-4	3-C	RA506-1	sheet-4	4-B
R67	sheet-19	2-A	R743	sheet-13	3-B	RA3-1	sheet-12	4-D	RA506-2	sheet-4	4-B
R68	sheet-20	4-C	R744	sheet-28	2-C	RA3-2	sheet-12	3-D	RA506-3	sheet-4	3-B
R69	sheet-18	2-A	R75	sheet-18	1-C	RA3-3	sheet-12	4-D	RA506-4	sheet-4	3-B
R7	sheet-14	4-A	R76	sheet-10	1-B	RA3-4	sheet-12	3-D	RA507-1	sheet-4	4-B
R70	sheet-18	1-C	R77	sheet-10	1-B	RA4-1	sheet-12	4-D	RA507-2	sheet-4	4-B
R700	sheet-30	2-D	R78	sheet-10	1-C	RA4-2	sheet-12	3-D	RA507-3	sheet-4	4-B
R701	sheet-29	2-B	R79	sheet-10	1-C	RA4-3	sheet-12	3-D	RA507-4	sheet-4	3-B
R702	sheet-30	3-B	R8	sheet-6	1-D	RA4-4	sheet-12	3-D	RA508-1	sheet-4	3-B
R703	sheet-30	3-B	R80	sheet-6	1-D	RA5-1	sheet-12	3-C	RA508-2	sheet-4	4-B
R704	sheet-30	3-B	R81	sheet-10	2-D	RA5-2	sheet-12	3-C	RA508-3	sheet-4	4-B
R705	sheet-28	2-D	R82	sheet-10	2-D	RA5-3	sheet-12	3-D	RA508-4	sheet-4	4-B
R706	sheet-30	3-C	R83	sheet-10	2-D	RA5-4	sheet-12	3-D	RA509-1	sheet-4	3-B
R707	sheet-30	3-C	R84	sheet-10	2-D	RA500-1	sheet-4	3-C	RA509-2	sheet-4	3-B
R708	sheet-30	2-C	R85	sheet-10	2-C	RA500-2	sheet-4	3-C	RA509-3	sheet-4	3-B
R709	sheet-30	3-C	R86	sheet-10	2-C	RA500-3	sheet-4	4-C	RA509-4	sheet-4	3-B
R71	sheet-18	1-C	R87	sheet-10	2-C	RA500-4	sheet-4	4-C	RA510-1	sheet-4	4-B
R710	sheet-30	2-C	R88	sheet-10	2-C	RA501-1	sheet-4	3-C	RA510-2	sheet-4	4-B
R711	sheet-30	2-C	R89	sheet-19	4-C	RA501-2	sheet-4	4-C	RA510-3	sheet-4	3-B
R712	sheet-30	3-C	R9	sheet-6	1-D	RA501-3	sheet-4	3-C	RA510-4	sheet-4	4-B
R713	sheet-30	3-C	R90	sheet-10	1-B	RA501-4	sheet-4	4-C	RA511-1	sheet-4	3-B
R714	sheet-28	1-D	R91	sheet-10	1-B	RA502-1	sheet-4	3-C	RA511-2	sheet-4	3-B
R715	sheet-29	1-C	R92	sheet-10	1-C	RA502-2	sheet-4	4-C	RA511-3	sheet-4	4-B
R716	sheet-29	2-C	R93	sheet-9	2-D	RA502-3	sheet-4	3-C	RA511-4	sheet-4	3-B

LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND	LOC	SHEET#	STAND
RA512-1	sheet-4	4-B	RA519-3	sheet-12	4-B	TH500	sheet-23	3-D	U25-4	sheet-8	1-C
RA512-2	sheet-4	3-B	RA519-4	sheet-12	3-B	U1	sheet-14	4-D	U26	sheet-11	4-B
RA512-3	sheet-4	4-B	RA520-1	sheet-12	4-B	U10	sheet-10	2-B	U27	sheet-5	4-A
RA512-4	sheet-4	3-B	RA520-2	sheet-12	3-B	U11	sheet-19	3-B	U3	sheet-19	1-B
RA513-1	sheet-4	4-B	RA520-3	sheet-12	4-B	U12	sheet-6	4-A	U4	sheet-19	2-C
RA513-2	sheet-4	4-B	RA520-4	sheet-12	3-B	U13	sheet-6	4-A	U400	sheet-28	1-B
RA513-3	sheet-4	3-B	RA521-1	sheet-12	4-B	U14-1	sheet-6	4-A	U401	sheet-28	3-C
RA513-4	sheet-4	3-B	RA521-2	sheet-12	3-B	U14-2	sheet-7	3-A	U402-1	sheet-30	3-D
RA514-1	sheet-12	3-D	RA521-3	sheet-12	4-B	U15	sheet-16	2-C	U402-2	sheet-30	3-C
RA514-2	sheet-12	4-D	RA521-4	sheet-12	4-B	U16	sheet-2	2-B	U402-3	sheet-30	2-C
RA514-3	sheet-12	4-D	RA522-1	sheet-12	4-B	U17	sheet-2	2-C	U403-1	sheet-29	2-D
RA514-4	sheet-12	4-D	RA522-2	sheet-12	4-B	U18	sheet-19	1-C	U403-2	sheet-29	2-C
RA515-3	sheet-12	3-C	RA522-3	sheet-12	4-B	U19	sheet-15	3-B	U404	sheet-29	3-A
RA515-4	sheet-12	3-C	RA522-4	sheet-12	4-C	U2	sheet-19	1-B	U5	sheet-19	2-B
RA516-1	sheet-12	4-C	RA523-1	sheet-12	4-A	U20	sheet-16	3-A	U501	sheet-6	4-A
RA516-2	sheet-12	4-C	RA523-2	sheet-12	3-A	U21-1	sheet-12	2-B	U502	sheet-13	3-B
RA516-3	sheet-12	3-C	RA523-3	sheet-12	4-A	U21-2	sheet-12	2-A	U503	sheet-11	3-B
RA516-4	sheet-12	4-C	RA523-4	sheet-12	3-A	U21-4	sheet-16	4-B	U514	sheet-28	4-B
RA517-1	sheet-12	4-B	RE1	sheet-13	2-C	U21-5	sheet-16	4-A	U6	sheet-19	3-B
RA517-2	sheet-12	3-B	RE2	sheet-7	1-C	U21-6	sheet-16	3-B	U7	sheet-18	4-B
RA517-3	sheet-12	4-C	RE3	sheet-6	1-B	U22	sheet-22	4-B	U8	sheet-9	4-B
RA517-4	sheet-12	4-D	RE4	sheet-7	1-C	U23-1	sheet-12	1-D	U9	sheet-20	4-C
RA518-1	sheet-12	4-B	RE500	sheet-7	1-D	U23-2	sheet-12	1-C	Y1	sheet-2	3-C
RA518-2	sheet-12	3-B	RE501	sheet-6	1-B	U23-3	sheet-12	1-C	Y2	sheet-22	2-C
RA518-3	sheet-12	4-B	REV500	sheet-26	2-B	U24	sheet-17	4-D	Y500	sheet-18	4-A
RA518-4	sheet-12	3-B	SW500	sheet-18	4-C	U25-1	sheet-8	2-C	Y501	sheet-15	3-B
RA519-1	sheet-12	4-B	TH1	sheet-14	1-B	U25-2	sheet-8	1-B	Y502	sheet-7	4-A
RA519-2	sheet-12	3-B	TH2	sheet-20	3-C	U25-3	sheet-8	2-C			

1-2 System Specifications

FEATURE	SPECIFICATION	REMARKS
PROCESSOR	INTEL MOBILE PENTIUM-II(DIXON, CELERON) CLOCK FREQ.: 266/300/333/366MHz PACKAGE TYPE: MMC-2 TYPE	L2 CACHE IN DIXON PROCESSOR
CHIPSETS	INTEL i82443BX+i82371EB	i82443BX in MMC-2 Module
MEMORY	2 SODIMM SOCKET (16/32/64/128MB SDRAM MODULE)	MAX 256MB(=128+128)
GRAPHICS	3D ACCELERATOR WITH 2X AGP	ATI 3D RAGE LT PRO AGP
VIDEO MEMORY	4MB SGRAM(8MB FACTORY OPTION)	KM4132G512
LCD DISPLAY	13.3" XGA TFT LCD 14.1" XGA TFT LCD 15.1" XGA TFT LCD	SEC
FDD	3.5", 12.7mm Height, FORMATTED 720KB/1.44MB	
HDD	S820: 9.5mm(MAX.) S850: 9.5/12.7mm(MAX.) Ultra DMA33 support	2.1GB/3.2GB/4.3GB/6.4GB REPLACEABLE DESIGN
CD-ROM	3.5/5.25", 12.7mm, 24X, 680MB	
DVD-ROM(TBD)	3.5/5.25", 12.7mm, 2.4X(DVD-ROM), 20X (CD-ROM)	FACTORY OPTION
PCMCIA	PCI BUS, CARD-BUS / ZV-PORT SUPPORT, 2 TYPE I/II OR 1 TYPE III CARDS SUPPORT	TI, PCI1251B
INTEGRATED AUDIO	16 BIT STEREO, 3D POSITIONAL AUDIO, WAVETABLE WITH DLS, BUILT-IN 1-WATT STEREO SPEAKER	ESS TECH., ES1978S ES1918 AC-98 CODEC
INTERNAL MODEM	56Kbps, PCI MODEM	LUCENT, 1646T00
POINTING DEVICE	TOUCH PAD, MULTI FINGER DETECTION, WHELL FUNCTION EXT. PS/2 MOUSE [OPTION] EXT. SERIAL MOUSE [OPTION]	
I/O PORT	1 SERIAL(RS-232C) : 9 PIN 1 PARALLEL : 25 PIN 1 EXT. MONITOR : 15 PIN 1 PS/2 : 6 PIN 1 S-VHS TV OUT : 4 PIN 1 DOCKING :160 PIN 2 USB : 4 PIN 1 FIR 1 MIC-IN 1 LINE-IN 1 HEADPHONE-OUT 1 DC-IN	160Pin for Mini Dock

FEATURE	SPECIFICATION	REMARKS
BIOS & PMS	APM/ACPI, DMI 2.1, WfM2.0	SST 29EE020
BATTERY	Li-Ion SMART BATTERY, 5,100mAhr Ni-MH DUMB BATTERY, 4,000mAhr	
ADAPTER	60-Watts, AC 100~240V FREE-VOLTAGE	
SECURITY	KENSINGTON LOCK	
DIMENSION	S820: 310(W) x 252(D) x 33(H)mm S850: 310(W) x 252(D) x 40(H)mm	
WEIGHT	S820: 5.26lbs S850: 5.84lbs	13.3” LCD, Li-Ion Battery weight saver

1-3 Switch Setting(Switch SW500)

	ON	OFF
SW1	Reserved	XGA
SW2	FLEX	AIO

1-4 POST Errors / Beep Codes

Error Codes	Beep Codes	Meaning
02	1-1-1-3	Verify Real Mode
04	1-1-2-1	Get CPU type
06	1-1-2-3	Initialize system hardware
07	1-1-2-4	Disable system ROM shadow
08	1-1-3-1	Initialize chipset registers with initial POST values
09	1-1-3-2	Set in POST flag
0A	1-1-3-3	Initialize CPU registers
0C	1-1-4-1	Initialize cache to initial POST values
0E	1-1-4-3	Initialize I/O
0F	1-1-4-4	Initialize the local bus IDE
10	1-2-1-1	Initialize Power Management
11	1-2-1-2	Load alternate registers with initial POST values
12	1-2-1-3	Restore CR0 after CPU is reset
14	1-2-2-1	Initialize keyboard controller
16	1-2-2-3	BIOS ROM checksum
17	1-2-2-4	Init external cache before memory autosize
18	1-2-3-1	8254 timer initialization
1A	1-2-3-3	8237 DMA controller initialization
1C	1-2-4-1	Reset Programmable Interrupt Controller
20	1-3-1-1	Test DRAM refresh
22	1-3-1-3	Test 8742 Keyboard Controller
24	1-3-2-1	Set ES segment register to 4 GB
28	1-3-3-1	Autosize DRAM
29	1-3-3-2	Initializes the POST memory manager
2A	1-3-3-3	Clear 512K base RAM
2C	1-3-4-1	Test 512K base address lines
2E	1-3-4-3	Test 512K base memory
32	1-4-1-3	Test CPU bus-clock frequency
33	1-4-1-4	Initializes the Phoenix dispatch manager
34	1-4-2-1	Test CMOS RAM
35	1-4-2-2	Initialize alternate chipset registers
37	1-4-2-4	Reinitialize the chipset (MB only)
38	1-4-3-1	Shadow system BIOS ROM
39	1-4-3-2	Reinitialize the cache (MB only)
3A	1-4-3-3	Autosize cache
3C	1-4-4-1	Configure advanced chipset registers
3D	1-4-4-2	Load alternate registers with CMOS values
40	2-1-1-1	Set initial CPU speed
41	2-1-1-2	ROM pilot initialization (Null Feature)
42	2-1-1-3	Initialize interrupt vectors
44	2-1-2-1	Initialize BIOS interrupts
46	2-1-2-3	Check ROM copyright notice
47	2-1-2-4	Initialize I2O(intelligent IO)
48	2-1-3-1	Check video configuration against CMOS
49	2-1-3-2	Initialize PCI bus and devices
4A	2-1-3-3	Initialize all video adapters in system
4B	2-1-3-4	Initialize quiet boot
4C	2-1-4-1	Shadow video BIOS ROM
4E	2-1-4-3	Display copyright notice
4F	2-1-4-4	Allocate memory for the multiboot data

Error Codes	Beep Codes	Meaning
50	2-2-1-1	Display CPU type and speed
51	2-2-1-2	Initialize EISA board
52	2-2-1-3	Test keyboard
54	2-2-2-1	Set key click if enabled
56	2-2-2-3	Enable keyboard
58	2-2-3-1	Test for unexpected interrupts
59	2-2-3-2	Initialize the POST display service
5A	2-2-3-3	Display prompt "Press F2 to enter SETUP"
5B	2-2-3-4	Disable L1 cache during POST
5C	2-2-4-1	Test RAM between 512 and 640K
60	2-3-1-1	Test extended memory
62	2-3-1-3	Test extended memory address lines
64	2-3-2-1	Jump to UserPatch1
66	2-3-2-3	Configure advanced cache registers
67	2-3-2-4	Initializes multi-processor(Null Feature)
68	2-3-3-1	Enable external and CPU caches
69	2-3-3-2	Initialize the smm handler
6A	2-3-3-3	Display external cache size
6B	2-3-3-4	Load custom defaults value (Null Feature)
6C	2-3-4-1	Display shadow message
6E	2-3-4-3	Display non-disposable segments
70	2-4-1-1	Display error message
72	2-4-1-3	Check for configuration errors
74	2-4-2-1	Test real-time clock
76	2-4-2-3	Check for keyboard errors
7C	2-4-4-1	Set up hardware interrupt vectors
7D	2-4-4-2	Initialize intelligent system monitoring (Null Feature)
7E	2-4-4-3	Test coprocessor if present
80	3-1-1-1	Disable onboard I/O ports
81	3-1-1-2	Configure all devices
82	3-1-1-3	Detect and install external RS232 ports
83	3-1-1-4	Configure non-MCD IDE controller
84	3-1-2-1	Detect and install external parallel ports
85	3-1-2-2	Configure PnP PC compatible (pcc) devices
86	3-1-2-3	Re-initialize onboard I/o ports
87	3-1-2-4	Configure motherboard configuration devices (MCD)
88	3-1-3-1	Initialize BIOS Data Area
89	3-1-3-2	Enable NMiS
8A	3-1-3-3	Initialize Extended BIOS Data Area
8B	3-1-3-4	Test Mouse (Null Feature)
8C	3-1-4-1	Initialize floppy controller
8F	3-1-4-4	Configure ATA drive count
90	3-2-1-1	Initialize hard-disk controller
91	3-2-1-2	Initialize local-bus hard-disk controller
92	3-2-1-3	Jump to UserPatch1
93	3-2-1-4	Build MPTABLE for multi-processor boards
94	3-2-2-1	Disable A20 address line
95	3-2-2-2	Initialize CD-ROM
96	3-2-2-3	Clear huge ES segment register
97	3-2-2-4	Fix up multi-processor (Null Feature)

Error Codes	Beep Codes	Meaning
98	3-2-3-1	Search for option ROMs
99	3-2-3-2	Check HDD smart status
9A	3-2-3-3	Shadow option ROMs
9C	3-2-4-1	Set up Power Management
9D	3-2-4-2	Initialize security engine
9E	3-2-4-3	Enable Hardware interrupts
9F	3-2-4-4	Configure total fdisk count
A0	3-3-1-1	Set time of day
A2	3-3-1-3	Check key lock
A4	3-3-2-1	Initialize typematic rate
A8	3-3-3-1	Erase F2 prompt
AA	3-3-3-3	Scan for F2 key stroke
AC	3-3-4-1	Enter SETUP
AE	3-3-4-3	Clear in-POST flag
B0	3-4-1-1	Check for errors
B1	3-4-1-2	Unload ROM pilot
B2	3-4-1-3	POST done-prepare to boot operating system
B4	3-4-2-1	One beep
B5	3-4-2-2	Terminate quiet boot
B6	3-4-2-3	Check password (optional)
B7	3-4-2-4	Configure ACPI
B8	3-4-3-1	Clear global descriptor table
B9	3-4-3-2	Clean up all graphics before booting
BA	3-4-3-3	Configure DMI structure
BC	3-4-4-1	Clear parity checkers
BD	3-4-4-2	Display multi-boot menu
BE	3-4-4-3	Clear screen (optional)
BF	3-4-4-4	Check virus and backup reminders
C0	4-1-1-1	Try to boot with INT 19
C1	4-1-1-2	Initializes PEM data structures
C2	4-1-1-3	Invokes the error logging function of all registered error handler
C3	4-1-1-4	Invokes end of POST error message display
C4	4-1-2-1	Initialize (clear) the system error flags
C5	4-1-2-2	Initialize docking station-aware CMOS (Null Feature)
C6	4-1-2-3	Initialize docking station (Null Feature)
C7	4-1-2-4	Configure docking station (Null Feature)
C8	4-1-3-1	Check flash recorvery force (Null Feature)
C9	4-1-3-2	Check extended checksum of the BIOS (Null Feature)
CA	4-1-3-3	Initialize serial keyboard (Null Feature)
CB	4-1-3-4	Initialize ROM/RAM (Null Feature)
CC	4-1-4-1	Initialize Serial Video (Null Feature)
CD	4-1-4-2	Initialize PCMATA (Null Feature)
D0	4-2-1-1	Exception error
D2	4-2-1-3	Unknown interrupt error
D4	4-2-2-1	Clear pending timer, keyboard interrupt
D6	4-2-2-3	Transfer control to address located at ROM check
D8	4-2-3-1	Process termial POST error
DA	4-2-3-3	Return from extended block move
DC	4-2-4-1	Transfer to secified address

5-1-5 Parts List

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
B1	3301-000326	CORE-FERRITE BEAD;AB,3.2x2.5x1.3mm,1000,3000G	A-3	Bot	
B10	3301-000361	CORE-FERRITE BEAD;ZZ,5X2X0.9mm,-,-	B-3	Bot	
B11	3301-001101	CORE-FERRITE BEAD;AB,2.0x0.9x0.5mm,-,-	D-2	Bot	
B12	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-2	Bot	
B13	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	E-2	Bot	
B14	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-2	Bot	
B15	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-2	Bot	
B16	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-2	Bot	
B17	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-2	Bot	
B18	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-2	Bot	
B19	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-1	Bot	
B2	3301-000326	CORE-FERRITE BEAD;AB,3.2x2.5x1.3mm,1000,3000G	A-3	Bot	
B20	3301-000322	CORE-FERRITE BEAD;AB,3.2x1.6x1.1mm,-,-	F-1	Bot	
B21	3301-000322	CORE-FERRITE BEAD;AB,3.2x1.6x1.1mm,-,-	F-1	Bot	
B3	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	A-3	Bot	
B4	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	A-3	Bot	
B5	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	B-3	Bot	
B507	3301-001101	CORE-FERRITE BEAD;AB,2.0x0.9x0.5mm,-,-	D-3	Top	
B508	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	E-3	Top	
B509	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	E-3	Top	
B510	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	E-3	Top	
B511	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	E-3	Top	
B512	3301-000326	CORE-FERRITE BEAD;AB,3.2x2.5x1.3mm,1000,3000G	D-3	Top	
B513	3301-000326	CORE-FERRITE BEAD;AB,3.2x2.5x1.3mm,1000,3000G	D-3	Top	
B522	3301-001101	CORE-FERRITE BEAD;AB,2.0x0.9x0.5mm,-,-	B-2	Top	
B523	3301-001101	CORE-FERRITE BEAD;AB,2.0x0.9x0.5mm,-,-	D-2	Top	
B524	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-1	Top	
B525	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-1	Top	
B526	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-1	Top	
B527	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-1	Top	
B528	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-1	Top	
B529	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-1	Top	
B530	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	F-1	Top	
B6	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	B-3	Bot	
B7	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	B-3	Bot	
B8	3301-000314	CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-	B-3	Bot	
B9	3301-000322	CORE-FERRITE BEAD;AB,3.2x1.6x1.1mm,-,-	E-3	Bot	
C1	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-3	Bot	
C10	2203-001429	C-CERAMIC,CHIP;470pF,5%,50V,C0G,TP,1608,-	A-3	Bot	
C11	2203-001429	C-CERAMIC,CHIP;470pF,5%,50V,C0G,TP,1608,-	A-3	Bot	
C12	2203-001429	C-CERAMIC,CHIP;470pF,5%,50V,C0G,TP,1608,-	A-3	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
C13	2203-001429	C-CERAMIC,CHIP;470pF,5%,50V,C0G,TP,1608,-	A-3	Bot	
C14	2203-001429	C-CERAMIC,CHIP;470pF,5%,50V,C0G,TP,1608,-	A-3	Bot	
C15	2203-001429	C-CERAMIC,CHIP;470pF,5%,50V,C0G,TP,1608,-	B-3	Bot	
C16	2203-001429	C-CERAMIC,CHIP;470pF,5%,50V,C0G,TP,1608,-	B-3	Bot	
C17	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1.6mm	B-3	Bot	
C18	2203-001429	C-CERAMIC,CHIP;470pF,5%,50V,C0G,TP,1608,-	B-3	Bot	
C19	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
C2	2203-001408	C-CERAMIC,CHIP;270pF,5%,50V,COG,TP,1608,-	A-3	Bot	
C20	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
C21	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
C22	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
C23	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	B-3	Bot	
C24	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	B-3	Bot	
C25	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	B-3	Bot	
C26	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
C27	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
C28	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
C29	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-3	Bot	
C3	2203-005269	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,-	A-3	Bot	
C30	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
C31	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-3	Bot	
C32	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
C33	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	F-2	Bot	
C34	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C35	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C36	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C37	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C38	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Bot	
C39	2203-000293	C-CERAMIC,CHIP;10pF,0.5pF,50V,NPO,TP,1608,-	E-2	Bot	
C4	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	A-3	Bot	
C40	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	C-2	Bot	
C41	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	C-2	Bot	
C42	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	C-2	Bot	
C43	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C44	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C45	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C46	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C47	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C48	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C49	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C5	2203-001408	C-CERAMIC,CHIP;270pF,5%,50V,COG,TP,1608,-	A-3	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
C50	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C508	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1.6mm	B-3	Top	
C509	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1.6mm	B-3	Top	
C51	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C510	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1.6mm	B-3	Top	
C511	2203-001607	C-CERAMIC,CHIP;220pF,5%,50V,CH,TP,1608,1.6mm	B-3	Top	
C512	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	E-3	Top	
C513	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	E-3	Top	
C514	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	E-3	Top	
C515	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	E-3	Top	
C516	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	E-3	Top	
C517	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	E-3	Top	
C518	2203-000815	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,1608,-	D-3	Top	
C52	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
C521	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	D-2	Top	
C522	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	D-2	Top	
C523	2203-000998	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,1608,-	D-2	Top	
C524	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,1608,	E-2	Top	
C525	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	E-2	Top	
C526	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	C-2	Top	
C527	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	C-2	Top	
C528	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
C529	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
C53	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Bot	
C530	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Top	
C531	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Top	
C532	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Top	
C533	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	E-2	Top	
C534	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
C535	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
C536	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,1608,	C-1	Top	
C537	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	F-1	Top	
C538	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	F-1	Top	
C539	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,1608,	F-1	Top	
C54	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Bot	
C55	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	B-2	Bot	
C56	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	C-2	Bot	
C57	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Bot	
C58	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Bot	
C59	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Bot	
C6	2203-005269	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,-	A-3	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
C60	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Bot	
C7	2203-000626	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,1608,-	A-3	Bot	
C8	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
C9	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB1	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Bot	
CB10	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
CB100	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB101	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB102	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB103	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-1	Bot	
CB11	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-3	Bot	
CB12	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-3	Bot	
CB13	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	A-3	Bot	
CB14	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB15	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB16	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB17	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB18	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB19	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB2	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB20	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-3	Bot	
CB21	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-3	Bot	
CB22	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-3	Bot	
CB23	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB24	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB25	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB26	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB27	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB28	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB29	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB3	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-3	Bot	
CB30	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB31	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB32	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Bot	
CB33	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
CB34	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
CB35	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
CB36	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Bot	
CB37	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Bot	
CB38	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Bot	
CB39	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
CB4	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-3	Bot	
CB40	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB41	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB42	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	A-2	Bot	
CB43	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB44	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB45	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB46	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-2	Bot	
CB47	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB48	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB49	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB5	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-3	Bot	
CB50	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB500	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB501	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB502	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB503	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB504	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB505	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB506	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB507	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB508	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB509	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB51	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
CB510	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	C-3	Top	
CB511	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB512	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB513	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB514	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB515	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB516	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB517	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB518	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-3	Top	
CB519	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB52	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
CB520	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-3	Top	
CB521	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-3	Top	
CB522	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	D-3	Top	
CB523	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB524	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	
CB525	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-3	Top	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
CB526	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-3	Top	
CB527	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB528	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB529	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB53	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
CB530	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Top	
CB531	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB532	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB533	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB534	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB535	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB536	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB537	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	C-2	Top	
CB538	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	C-2	Top	
CB539	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB54	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-2	Bot	
CB540	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB541	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB542	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB543	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	E-2	Top	
CB544	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	B-2	Top	
CB545	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	B-2	Top	
CB546	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	B-2	Top	
CB547	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB548	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB549	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB55	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Bot	
CB550	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB551	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB552	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB553	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB554	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB555	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB556	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB557	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB558	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB559	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	C-2	Top	
CB56	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Bot	
CB560	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-2	Top	
CB561	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB562	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-2	Top	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
CB563	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB564	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB565	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB566	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB567	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB568	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-2	Top	
CB569	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-2	Top	
CB57	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB570	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-2	Top	
CB571	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-2	Top	
CB572	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-2	Top	
CB573	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Top	
CB574	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Top	
CB575	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Top	
CB576	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	C-2	Top	
CB577	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB578	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Top	
CB579	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB58	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB580	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Top	
CB581	2203-005261	C-CERAMIC,CHIP;1000NF,10%,25V,Y5P,TP,3216	E-2	Top	
CB582	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Top	
CB583	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-1	Top	
CB584	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-1	Top	
CB585	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
CB586	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
CB587	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
CB588	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
CB589	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
CB59	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB590	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
CB591	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
CB592	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
CB593	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
CB594	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Top	
CB595	2404-000299	C-TA,CHIP;22uF,20%,16V,-,TP,6032,-	B-1	Top	
CB6	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB60	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB61	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB62	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	B-2	Bot	
CB63	2203-000236	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,1608,-	D-2	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
CB64	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Bot	
CB65	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB66	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Bot	
CB67	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	D-2	Bot	
CB68	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Bot	
CB69	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Bot	
CB7	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB70	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Bot	
CB71	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-2	Bot	
CB72	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	B-2	Bot	
CB73	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Bot	
CB74	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-2	Bot	
CB75	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	D-2	Bot	
CB76	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Bot	
CB77	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Bot	
CB78	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Bot	
CB79	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-2	Bot	
CB8	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB80	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB81	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB82	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB83	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608,-	B-1	Bot	
CB84	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-1	Bot	
CB85	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-1	Bot	
CB86	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-1	Bot	
CB87	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	C-1	Bot	
CB88	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB89	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Bot	
CB9	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-3	Bot	
CB90	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	F-1	Bot	
CB91	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB92	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB93	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB94	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-1	Bot	
CB95	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-1	Bot	
CB96	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-1	Bot	
CB97	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	A-1	Bot	
CB98	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CB99	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,1608,	B-1	Bot	
CS1	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	A-3	Bot	
CS10	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	C-2	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
CS11	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	A-1	Bot	
CS12	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	C-1	Bot	
CS13	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	C-1	Bot	
CS14	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	A-1	Bot	
CS15	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	B-1	Bot	
CS16	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	C-1	Bot	
CS17	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	B-1	Bot	
CS2	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	B-3	Bot	
CS3	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	C-3	Bot	
CS4	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	C-3	Bot	
CS5	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	A-3	Bot	
CS500	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	D-3	Top	
CS501	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	D-3	Top	
CS502	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	C-3	Top	
CS503	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	E-2	Top	
CS504	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	E-2	Top	
CS505	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	E-2	Top	
CS506	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	C-2	Top	
CS507	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	C-2	Top	
CS508	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	F-2	Top	
CS6	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	E-3	Bot	
CS7	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	A-2	Bot	
CS8	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	A-2	Bot	
CS9	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	C-2	Bot	
CT1	2404-000194	C-TA,CHIP;22uF,20%,35V,-,TP,7343,4.4mm	C-3	Bot	
CT10	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	A-2	Bot	
CT11	2404-000194	C-TA,CHIP;22uF,20%,35V,-,TP,7343,4.4mm	E-2	Bot	
CT12	2404-000128	C-TA,CHIP;10uF,20%,16V,-,TP,6032,-	A-2	Bot	
CT13	2404-000128	C-TA,CHIP;10uF,20%,16V,-,TP,6032,-	A-2	Bot	
CT14	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	A-2	Bot	
CT15	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	A-2	Bot	
CT16	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	B-2	Bot	
CT17	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	D-2	Bot	
CT18	2404-001003	C-TA,CHIP;100UF,20%,16V,GP,TP,7343H	C-2	Bot	
CT19	2404-000194	C-TA,CHIP;22uF,20%,35V,-,TP,7343,4.4mm	C-2	Bot	
CT2	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	C-3	Bot	
CT20	2404-000194	C-TA,CHIP;22uF,20%,35V,-,TP,7343,4.4mm	C-2	Bot	
CT21	2404-000194	C-TA,CHIP;22uF,20%,35V,-,TP,7343,4.4mm	C-2	Bot	
CT22	2404-000194	C-TA,CHIP;22uF,20%,35V,-,TP,7343,4.4mm	C-2	Bot	
CT23	2404-000194	C-TA,CHIP;22uF,20%,35V,-,TP,7343,4.4mm	C-2	Bot	
CT24	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	D-2	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
CT25	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	F-2	Bot	
CT26	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	F-2	Bot	
CT27	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	F-2	Bot	
CT28	2404-000256	C-TA,CHIP;47UF,20%,16V,GP,TP,7343	F-1	Bot	
CT29	2404-000256	C-TA,CHIP;47UF,20%,16V,GP,TP,7343	F-1	Bot	
CT3	2404-000194	C-TA,CHIP;22uF,20%,35V,-,TP,7343,4.4mm	C-3	Bot	
CT30	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	B-1	Bot	
CT31	2404-001003	C-TA,CHIP;100UF,20%,16V,GP,TP,7343H	C-1	Bot	
CT4	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	A-3	Bot	
CT5	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	A-3	Bot	
CT501	2404-000299	C-TA,CHIP;22uF,20%,16V,-,TP,6032,-	D-3	Top	
CT502	2404-000299	C-TA,CHIP;22uF,20%,16V,-,TP,6032,-	D-3	Top	
CT503	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	D-3	Top	
CT504	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	C-2	Top	
CT505	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	C-2	Top	
CT506	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	D-2	Top	
CT507	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	B-2	Top	
CT508	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	C-2	Top	
CT509	2404-000299	C-TA,CHIP;22uF,20%,16V,-,TP,6032,-	C-2	Top	
CT510	2404-000299	C-TA,CHIP;22uF,20%,16V,-,TP,6032,-	C-2	Top	
CT511	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	F-1	Top	
CT512	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	F-1	Top	
CT513	2404-000194	C-TA,CHIP;22uF,20%,35V,-,TP,7343,4.4mm	F-1	Top	
CT6	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	B-3	Bot	
CT7	2404-000114	C-TA,CHIP;10uF,10%,35V,-,TP,7343,4.4mm	A-3	Bot	
CT8	2404-000299	C-TA,CHIP;22uF,20%,16V,-,TP,6032,-	A-3	Bot	
CT9	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	A-2	Bot	
D1	0505-000110	FET-SILICON;2N7002,N,60V,115mA,5ohm,200mW,	E-2	Bot	
D2	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	E-2	Bot	
D3	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	C-1	Bot	
D4	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	E-1	Bot	
D5	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	C-1	Bot	
D500	0401-000191	DIODE-SWITCHING;MMBD4148,50V,-,DL-35,TP	B-3	Top	
D501	0401-000191	DIODE-SWITCHING;MMBD4148,50V,-,DL-35,TP	B-3	Top	
D502	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	C-2	Top	
D503	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	E-2	Top	
D504	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	E-2	Top	
D505	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	C-2	Top	
D506	0401-000191	DIODE-SWITCHING;MMBD4148,50V,-,DL-35,TP	C-2	Top	
D507	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	C-1	Top	
D6	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	C-1	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
D7	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	C-1	Bot	
D8	0404-000114	DIODE-SCHOTTKY;MMBD301LT1,30V,-,SOT-23,TP	C-1	Bot	
F1	1404-001089	THERMISTOR-PTC;0.21ohm,-,-,6.0V,40A,2.2A,TP	E-3	Bot	
J1	3709-001014	CONNECTOR-CARD EDGE;144P,0.8mm,ANGLE,AUF	A-1	Bot	
J2	3709-001014	CONNECTOR-CARD EDGE;144P,0.8mm,ANGLE,AUF	B-1	Bot	
J3	3710-001475	CONNECTOR-SOCKET;34P,2R,1.27MM,SMD-A,AU30U	F-1	Bot	
J500	3722-000218	JACK-MODULAR;7P,-,AG,BLK,#16-30	A-3	Top	
J501	3701-001036	CONNECTOR-DSUB;9P,1R,MALE,ANGLE,AUF	A-3	Top	
J502	3701-001026	CONNECTOR-DSUB;15P,2R,FEMALE,SMD-S,AUF	B-3	Top	
J503	3701-001035	CONNECTOR-DSUB;25P,1R,FEMALE,ANGLE,AUF	E-3	Top	
J504	3722-000228	JACK-DIN;6P,-,AG,BLK,#16-30 E-3	Top		
J505	3711-003987	CONNECTOR-HEADER;BOX,160P,2R,0.635mm,ANGLE,AUF	C-3	Top	
J506	3708-000458	CONNECTOR-FPC/FC/PIC;2P,1.25mm,SMD-S,SN	F-3	Top	
J507	3710-001427	CONNECTOR-SOCKET;21P,2R,2mm,SMD-S,AUF	C-3	Top	
J508	3709-001119	CONNECTOR-CARD EDGE;152P,1.27MM,ANGLE,-	B-3	Top	
J508	3710-001273	CONNECTOR-SOCKET;154P,2R,0.6mm,SMD-S,SN	B-3	Top	
J509	3708-001338	CONNECTOR-FPC/FC/PIC;30P,0.625mm,SMD-S,SN	B-2	Top	
J510	3710-001476	CONNECTOR-SOCKET;400P,10R,1.27MM,SMD-S,AUF	C-2	Top	
J511	3722-001365	JACK-MODULAR;6P/2C,-,AU50U,BLK,-	F-2	Top	
J512	3711-000541	CONNECTOR-HEADER;BOX,2P,1R,1.25mm,SMD-A,SN	F-2	Top	
J513	3710-000253	CONNECTOR-SOCKET;60P,-,1.27mm,ANGLE,AUF	D-2	Top	
J514	3708-000344	CONNECTOR-FPC/FC/PIC;26P,1.0mm,SMD,-	E-2	Top	
J515	3711-004113	CONNECTOR-HEADER;BOX,70P,2R,0.635mm,SMD-S,AUF	F-2	Top	
J516	3708-001282	CONNECTOR-FPC/FC/PIC;24P,1mm,SMD-S,SN	C-1	Top	
J517	3708-000458	CONNECTOR-FPC/FC/PIC;2P,1.25mm,SMD-S,SN	C-1	Top	
J518	3702-001117	CONNECTOR-RIBBON;26P,FEMALE,SMD-A,AUF	F-1	Top	
J519	3710-001487	CONNECTOR-SOCKET;44P,2R,2MM,SMD-A,AUF	B-1	Top	
J520	3711-000419	CONNECTOR-HEADER;3WALL,14P,1R,1.25mm,SMD-S,SN	C-1	Top	
J521	3708-000458	CONNECTOR-FPC/FC/PIC;2P,1.25mm,SMD-S,SN	F-1	Top	
J522	3711-003392	CONNECTOR-HEADER;3WALL,20P,2R,2mm,ANGLE,AUF	C-1	Top	
Q1	0505-000275	FET-SILICON;SI4435DY,P,-30V,+-8.0A,0.02ohm	F-3	Bot	
Q2	0505-000275	FET-SILICON;SI4435DY,P,-30V,+-8.0A,0.02ohm	B-3	Bot	
Q3	0505-000110	FET-SILICON;2N7002,N,60V,115mA,5ohm,200mW,	B-3	Bot	
Q4	0505-000275	FET-SILICON;SI4435DY,P,-30V,+-8.0A,0.02ohm	B-2	Bot	
Q5	0505-000275	FET-SILICON;SI4435DY,P,-30V,+-8.0A,0.02ohm	D-2	Bot	
Q500	0505-000110	FET-SILICON;2N7002,N,60V,115mA,5ohm,200mW,	D-3	Top	
Q501	0505-000110	FET-SILICON;2N7002,N,60V,115mA,5ohm,200mW,	C-2	Top	
Q502	0505-000110	FET-SILICON;2N7002,N,60V,115mA,5ohm,200mW,	E-2	Top	
Q503	0505-000110	FET-SILICON;2N7002,N,60V,115mA,5ohm,200mW,	E-2	Top	
Q504	0505-001049	FET-GAAS;BSS84,-50V,20V,-130mA,250mW,SO	E-2	Top	
Q505	0505-000110	FET-SILICON;2N7002,N,60V,115mA,5ohm,200mW,	E-2	Top	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
Q506	0505-000110	FET-SILICON;2N7002,N,60V,115mA,5ohm,200mW,	E-2	Top	
Q507	0501-000463	TR-SMALL SIGNAL;KST2907A,PNP,350mW,SOT-23,TP,1	C-1	Top	
Q508	0501-000458	TR-SMALL SIGNAL;KST2222ATF,NPN,350mW,SOT-23,TP	C-1	Top	
Q509	0505-000275	FET-SILICON;SI4435DY,P,-30V,+-8.0A,0.02ohm	D-3	Top	
Q6	0505-000110	FET-SILICON;2N7002,N,60V,115mA,5ohm,200mW,	C-1	Bot	
Q7	0505-000275	FET-SILICON;SI4435DY,P,-30V,+-8.0A,0.02ohm	B-1	Bot	
R1	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R10	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R100	2007-000463	R-CHIP;18ohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R101	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R102	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R103	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R104	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R105	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R106	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R107	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R108	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R109	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R11	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R110	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R111	2007-000659	R-CHIP;27ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R112	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R113	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R114	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R115	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R116	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R117	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R118	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R119	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R12	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R120	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R121	2007-000071	R-CHIP;22ohm,5%,1/16W,DA,TP,1608	F-2	Bot	
R123	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R124	2007-000463	R-CHIP;18ohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R125	2007-000463	R-CHIP;18ohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R126	2007-000463	R-CHIP;18ohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R127	2007-000120	R-CHIP;680ohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R128	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R129	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R13	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R130	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
R131	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R132	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R133	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R134	2007-000463	R-CHIP;18ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R135	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R136	2007-000463	R-CHIP;18ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R137	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R138	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R139	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R14	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R140	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R141	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R142	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R143	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R144	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R145	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R146	2007-000052	R-CHIP;10Kohm,1%,1/16W,DA,TP,1608	E-2	Bot	
R147	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R148	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R149	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	F-2	Bot	
R15	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R150	2007-000463	R-CHIP;18ohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R151	2007-000463	R-CHIP;18ohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R154	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R155	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R156	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Bot	
R157	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R158	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R159	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R16	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R160	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R161	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R162	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R163	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R164	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R165	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R166	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R167	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R168	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R169	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R17	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	A-3	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
R170	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	E-2	Bot	
R171	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	F-2	Bot	
R172	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	F-2	Bot	
R176	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-1	Bot	
R18	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R182	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-1	Bot	
R183	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-1	Bot	
R188	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-1	Bot	
R189	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-1	Bot	
R19	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R190	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	B-1	Bot	
R191	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	B-1	Bot	
R192	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-1	Bot	
R193	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-1	Bot	
R194	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	C-1	Bot	
R195	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	C-1	Bot	
R196	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	C-1	Bot	
R197	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-1	Bot	
R198	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-1	Bot	
R199	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-1	Bot	
R2	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R20	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R21	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R22	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R23	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R24	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R25	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R26	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R27	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R28	2007-000081	R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R29	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	D-3	Bot	
R3	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R30	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	D-3	Bot	
R31	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	D-3	Bot	
R32	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	D-3	Bot	
R33	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	D-3	Bot	
R34	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	D-3	Bot	
R35	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R36	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R37	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R38	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
R39	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R4	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R40	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R41	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R42	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R43	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R44	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R45	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R46	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R47	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R48	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R49	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R5	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R50	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R51	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R514	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	B-3	Top	
R515	2007-000659	R-CHIP;27ohm,5%,1/16W,DA,TP,1608	B-3	Top	
R516	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	B-3	Top	
R517	2007-000659	R-CHIP;27ohm,5%,1/16W,DA,TP,1608	B-3	Top	
R518	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	B-3	Top	
R519	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	B-3	Top	
R52	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R520	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Top	
R521	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	C-3	Top	
R522	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Top	
R523	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Top	
R524	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	D-3	Top	
R525	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	D-3	Top	
R526	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	D-3	Top	
R527	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	D-3	Top	
R528	2007-000463	R-CHIP;18ohm,5%,1/16W,DA,TP,1608	C-3	Top	
R529	2007-000463	R-CHIP;18ohm,5%,1/16W,DA,TP,1608	C-3	Top	
R53	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R530	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Top	
R531	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	D-3	Top	
R532	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	D-3	Top	
R533	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Top	
R534	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	C-3	Top	
R535	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	C-3	Top	
R537	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	D-3	Top	
R538	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-3	Top	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
R539	2007-000309	R-CHIP;10ohm,5%,1/16W,DA,TP,1608	D-3	Top	
R54	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R540	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-3	Top	
R542	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	D-3	Top	
R544	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	D-3	Top	
R545	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	D-3	Top	
R546	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	D-3	Top	8M Option
R548	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	D-3	Top	
R55	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R550	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	E-3	Top	
R551	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	E-3	Top	
R552	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	E-3	Top	
R553	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	E-3	Top	
R554	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R555	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Top	
R556	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Top	
R558	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Top	
R559	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Top	
R56	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R560	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	C-2	Top	
R562	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	D-2	Top	
R563	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R564	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R565	2007-000659	R-CHIP;27ohm,5%,1/16W,DA,TP,1608	D-2	Top	
R566	2007-000659	R-CHIP;27ohm,5%,1/16W,DA,TP,1608	D-2	Top	
R567	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R568	2007-000659	R-CHIP;27ohm,5%,1/16W,DA,TP,1608	D-2	Top	
R569	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R57	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R570	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R571	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R572	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R573	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R574	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R576	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	E-2	Top	
R577	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R578	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	F-2	Top	
R579	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	F-2	Top	
R58	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R583	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Top	
R584	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	C-2	Top	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
R585	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	C-2	Top	
R586	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R587	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R588	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R589	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R59	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R590	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R591	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R592	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R593	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R594	2007-000093	R-CHIP;20Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R595	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R596	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R597	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R598	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Top	
R599	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	C-2	Top	
R6	2011-001074	RC-NETWORK;2.2Kohm,10%,220pF,9,6V,24P	E-3	Bot	
R60	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R600	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-2	Top	
R601	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-2	Top	
R602	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-2	Top	
R603	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	C-2	Top	
R604	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R605	2007-000129	R-CHIP;27Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R606	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R607	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R608	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R609	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R61	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R610	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	D-2	Top	
R611	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R612	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R613	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R614	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R615	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	E-2	Top	
R616	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	F-2	Top	
R619	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	F-2	Top	
R62	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R620	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	F-2	Top	
R621	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	F-2	Top	
R622	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-1	Top	

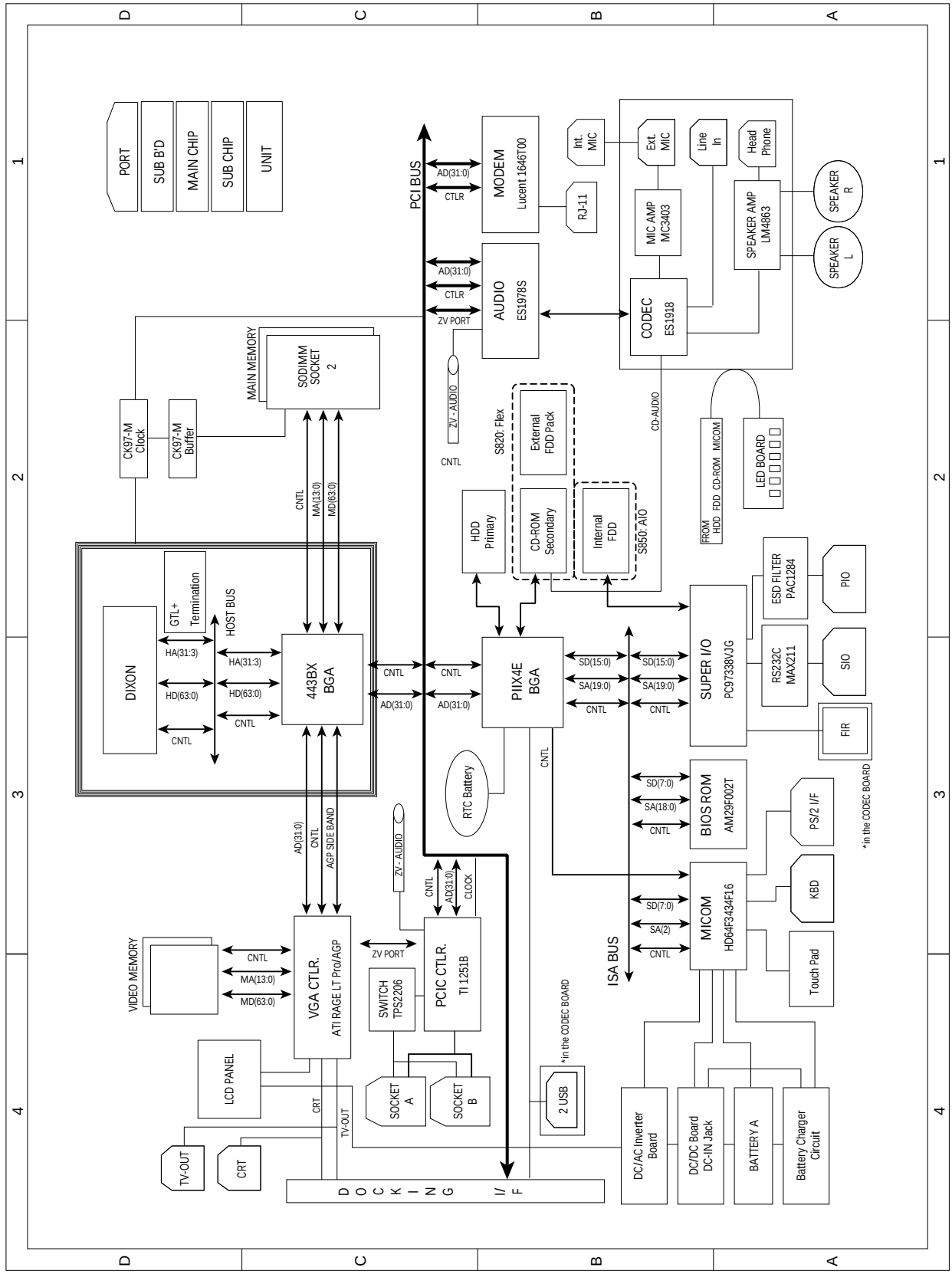
Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
R623	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-1	Top	
R624	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	F-1	Top	
R625	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	F-1	Top	
R626	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	F-2	Top	
R627	2007-000087	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1608	B-1	Top	
R628	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-1	Top	
R629	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-1	Top	
R63	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R630	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	B-1	Top	
R631	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-1	Top	
R632	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-1	Top	
R633	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-1	Top	
R634	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-1	Top	
R635	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-1	Top	
R636	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	C-1	Top	
R637	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	C-1	Top	
R638	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	F-1	Top	
R639	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	F-1	Top	
R64	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R640	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	F-1	Top	
R65	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R650	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	B-2	Top	
R651	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	B-2	Top	
R652	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	B-2	Top	
R653	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	B-2	Top	
R654	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	B-2	Top	
R655	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	B-2	Top	
R656	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	B-2	Top	
R657	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	B-2	Top	
R658	2007-000071	R-CHIP;22ohm,5%,1/16W,DA,TP,1608	F-3	Top	
R66	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R660	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	D-3	Top	8M OPTION
R661	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	D-3	Top	8M OPTION
R662	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	D-3	Top	8M OPTION
R67	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R68	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R69	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R7	2011-001074	RC-NETWORK;2.2Kohm,10%,220pF,9,6V,24P	E-3	Bot	
R71	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R73	2007-001179	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1608	C-3	Bot	
R743	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	E-3	Top	

Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
R76	2007-000105	R-CHIP;200Kohm,5%,1/16W,DA,TP,1608	A-2	Bot	
R77	2007-000105	R-CHIP;200Kohm,5%,1/16W,DA,TP,1608	A-2	Bot	
R78	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-2	Bot	
R79	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-2	Bot	
R8	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R80	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R81	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R82	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R83	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-3	Bot	
R84	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R85	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R86	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R87	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R88	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R89	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	D-3	Bot	
R9	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-3	Bot	
R90	2007-000105	R-CHIP;200Kohm,5%,1/16W,DA,TP,1608	A-2	Bot	
R91	2007-000105	R-CHIP;200Kohm,5%,1/16W,DA,TP,1608	A-2	Bot	
R92	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	A-2	Bot	
R93	2007-001134	R-CHIP;68ohm,5%,1/16W,DA,TP,1608	A-2	Bot	
R94	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R95	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R96	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R97	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	B-2	Bot	
R98	2007-000090	R-CHIP;10Kohm,5%,1/16W,DA,TP,1608	C-2	Bot	
R99	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	C-2	Bot	
RA1	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-2	Bot	
RA2	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-2	Bot	
RA3	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	D-2	Bot	
RA4	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	D-2	Bot	
RA5	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	D-2	Bot	
RA500	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	B-3	Top	
RA501	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-3	Top	
RA502	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-3	Top	
RA503	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-2	Top	
RA504	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-2	Top	
RA505	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-2	Top	
RA506	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	B-2	Top	
RA507	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	B-2	Top	
RA508	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-2	Top	
RA509	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-2	Top	

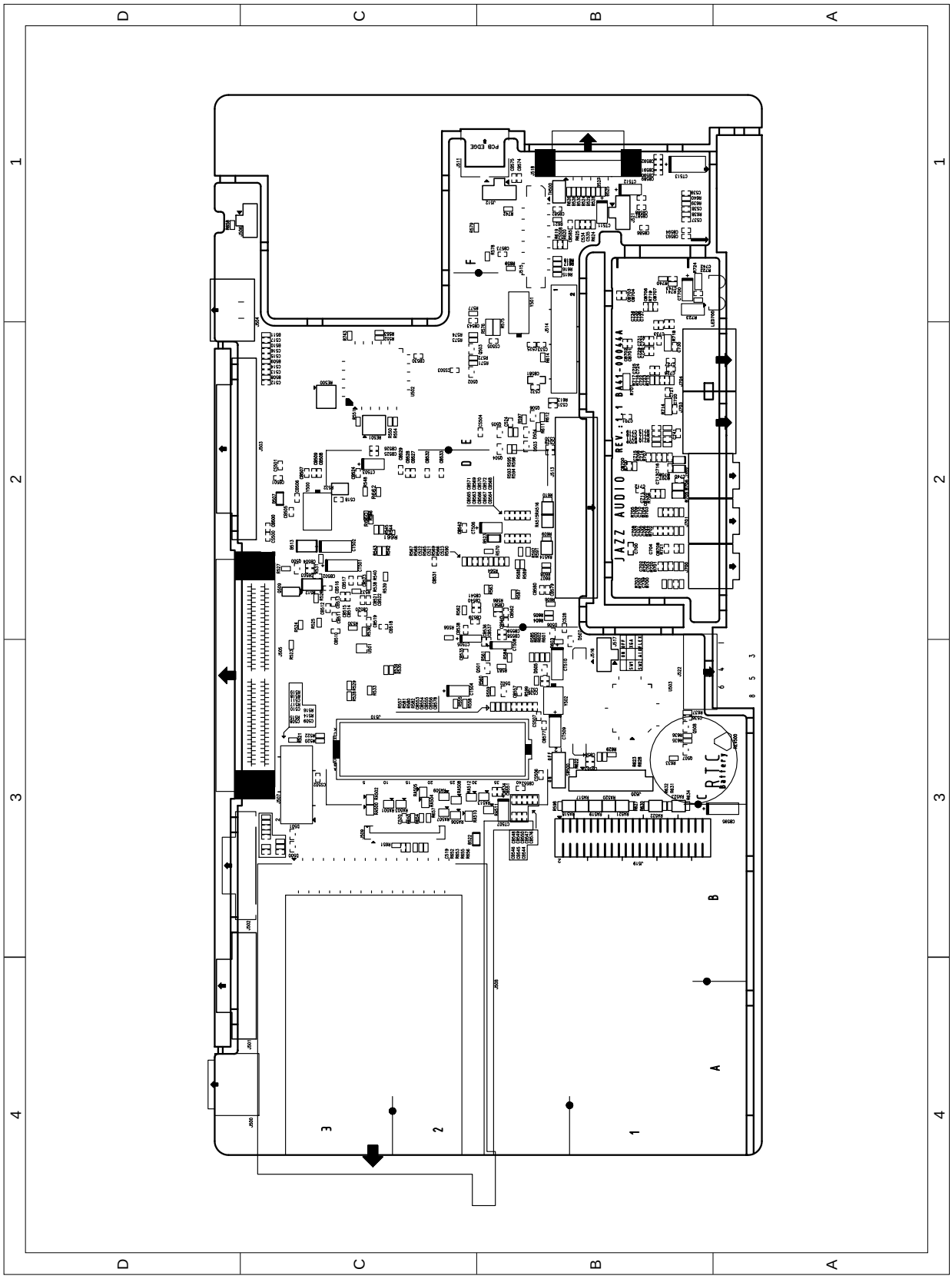
Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
RA510	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	B-2	Top	
RA511	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	B-2	Top	
RA512	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-2	Top	
RA513	2011-001293	R-NETWORK;18OHM,5%,0.063W,L,CHIP,8P,TP	C-2	Top	
RA514	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	D-2	Top	
RA515	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	D-2	Top	
RA516	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	D-2	Top	
RA517	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	B-1	Top	
RA518	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	B-2	Top	
RA519	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	B-1	Top	
RA520	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	B-1	Top	
RA521	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	B-1	Top	
RA522	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	B-1	Top	
RA523	2011-001036	R-NETWORK;33ohm,5%,1/16W,L,CHIP,8P,TP	B-1	Top	
RE1	2011-000516	R-NETWORK;4.7Kohm,5%,1/16W,M,CHIP,10P,TP	E-2	Bot	
RE2	2011-000184	R-NETWORK;10Kohm,5%,1/16W,M,CHIP,10P,TP	E-2	Bot	
RE3	2011-000516	R-NETWORK;4.7Kohm,5%,1/16W,M,CHIP,10P,TP	C-2	Bot	
RE4	2011-000516	R-NETWORK;4.7Kohm,5%,1/16W,M,CHIP,10P,TP	C-2	Bot	
RE500	2011-000184	R-NETWORK;10Kohm,5%,1/16W,M,CHIP,10P,TP	E-3	Top	
RE501	2011-000516	R-NETWORK;4.7Kohm,5%,1/16W,M,CHIP,10P,TP	E-3	Top	
SW500	3407-000183	SWITCH-DIP;24V,25mA,SLIDE,STANDARD	C-2	Top	
TH1	1404-001089	THERMISTOR-PTC;0.21ohm,-,-,6.0V,40A,2.2A,TP	B-3	Bot	
TH2	1404-001089	THERMISTOR-PTC;0.21ohm,-,-,6.0V,40A,2.2A,TP	D-3	Bot	
TH500	1404-001089	THERMISTOR-PTC;0.21ohm,-,-,6.0V,40A,2.2A,TP	F-2	Top	
U1	1006-000304	IC-LINE TRANSCEIVER;211,SOP,28P,300MIL,SINGLE,ST,P	B-3	Bot	
U10	1205-001130	IC-SWITCH;TPS2206IDBLE,SOP,30P,389MIL,PL	A-2	Bot	
U11	1109-001093	IC-VIDEO RAM;4132G512,2x256Kx32BIT,QFP,100P	D-2	Bot	4M Option; 4132G112: 8M Option
U12	0801-000794	IC-CMOS LOGIC;7S08,AND GATE,SOT-25,5P,63MIL,	C-2	Bot	
U13	0801-000794	IC-CMOS LOGIC;7S08,AND GATE,SOT-25,5P,63MIL,	C-2	Bot	
U14	0904-001248	IC-SYSTEM PERI.;82371,16BIT,BGA,324P,1064MIL,3	C-2	Bot	
U15	0801-000794	IC-CMOS LOGIC;7S08,AND GATE,SOT-25,5P,63MIL,	E-2	Bot	
U16	1205-001410	IC-BUFFER;W40S11-02,SOP,28P,10.2*5.3mm,P	B-2	Bot	
U17	1209-001156	IC-SYNTHESIZER;W48C111-16H,SOP,28P,10.2*5.3mm	D-2	Bot	
U18	1201-001125	IC-OP AMP;75S01,SOP,5P,63MIL,SINGLE,100d	E-2	Bot	
U19	0903-001069	IC-MICROCOMPUTER;64F3434,16BIT,QFP,100P,16x16x3	E-2	Bot	
U2	0801-000794	IC-CMOS LOGIC;7S08,AND GATE,SOT-25,5P,63MIL,	B-3	Bot	
U20	0801-002192	IC-CMOS LOGIC;7S04,INVERTER,SOT-25,5P,63MIL,	E-2	Bot	
U21	0801-001070	IC-CMOS LOGIC;74ACT04,INVERTER,SOP,14P,150MI	E-2	Bot	
U22	1204-001420	IC-AUDIO PROCESSOR;ES1978S,TQFP,100P,-,PLASTIC,5V	F-2	Bot	

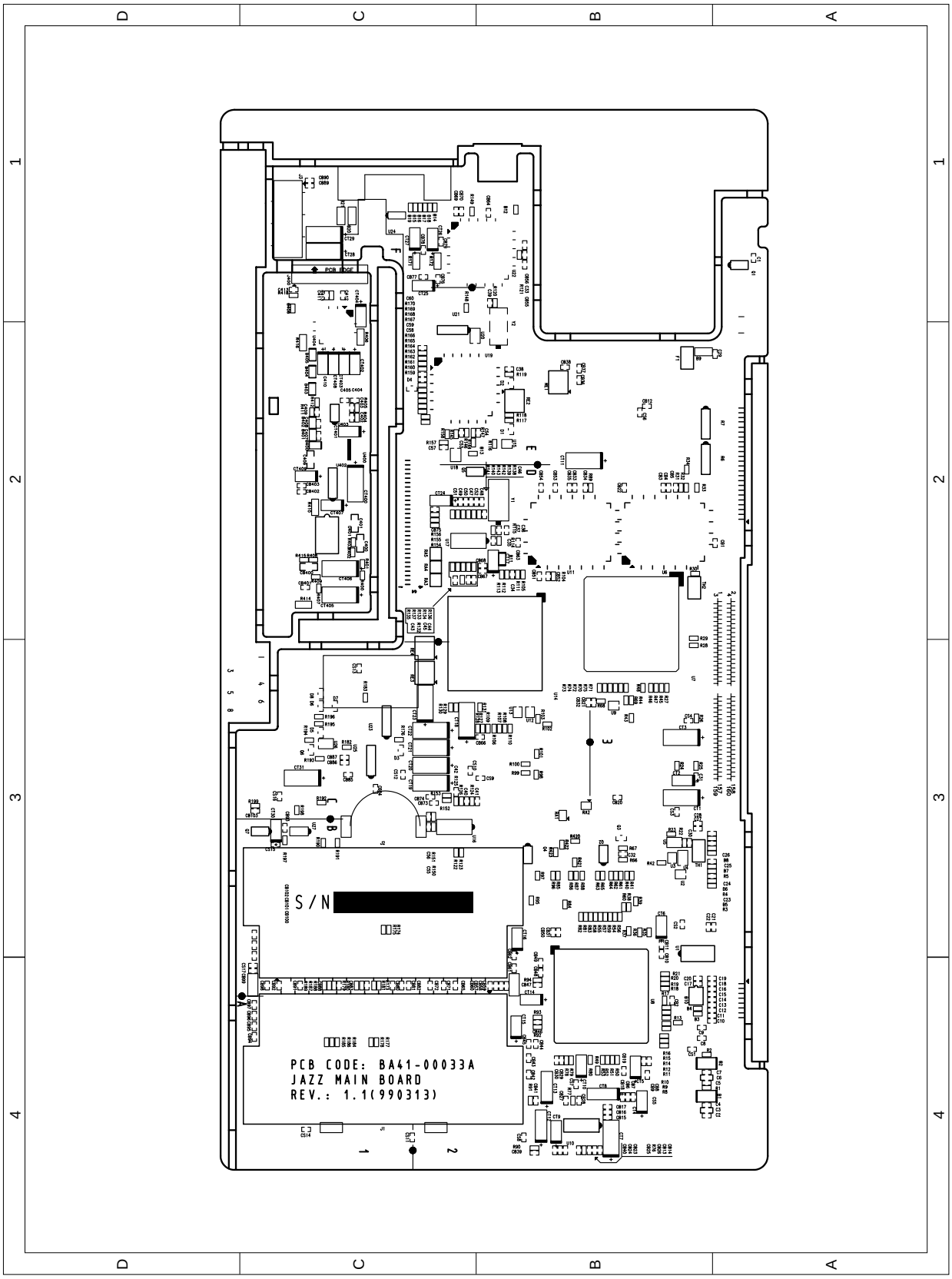
Location	SEC Code	Description and Specification	CO_ORD	Top/Bottom	Remark
U23	0801-002094	IC-CMOS LOGIC;74ACT125,BUFFER,SOP,14P,150MIL	C-1	Bot	
U24	1203-001460	IC-SWITCH VOL. REG.;2526,SOP,8P,150MIL,-,8V,-,-40t	F-1	Bot	
U25	0801-001071	IC-CMOS LOGIC;74ACT08,AND GATE,SOP,14P,150MI	C-1	Bot	
U26	0801-002192	IC-CMOS LOGIC;7S04,INVERTER,SOT-25,5P,63MIL,	C-1	Bot	
U27	1001-001002	IC-ANALOG SWITCH;QS3125,BUS CMOS,SOP,16P,150MIL	B-1	Bot	
U3	0801-000794	IC-CMOS LOGIC;7S08,AND GATE,SOT-25,5P,63MIL,	B-3	Bot	
U4	0801-002192	IC-CMOS LOGIC;7S04,INVERTER,SOT-25,5P,63MIL,	B-3	Bot	
U5	0801-002192	IC-CMOS LOGIC;7S04,INVERTER,SOT-25,5P,63MIL,	B-3	Bot	
U501	0801-000794	IC-CMOS LOGIC;7S08,AND GATE,SOT-25,5P,63MIL,	C-3	Top	
U502	0904-001158	IC-I/O CONTROLLER;97338,8BIT,QFP,100P,-,48MHz,TR	E-3	Top	
U503	1103-001057	IC-EEPROM;29EE020,256Kx8BIT,PLCC,32P,-,1	C-1	Top	
U6	1109-001093	IC-VIDEO RAM;4132G512,2x256Kx32BIT,QFP,100P	D-3	Bot	4M Option; 4132G112: 8M Option
U7	0904-001192	IC-GRAPHIC CONT.;3D RAGE LT PRO,-,PBGA,328P,107	D-3	Bot	
U8	0904-001350	IC-BUS CONTROLLER;1251B,-,BGA,256P,1062MIL,33MHZ,TR	B-3	Bot	
U9	0801-000794	IC-CMOS LOGIC;7S08,AND GATE,SOT-25,5P,63MIL,	C-3	Bot	
Y1	2801-000103	CRYSTAL-SMD;14.31818MHz,50ppm,28-AAV,10pF,	D-2	Bot	
Y2	2804-001298	OSCILLATOR-CLOCK;49.152MHZ,100PPM,CMOS,TP,3.3V,28MA	E-2	Bot	
Y500	2804-001092	OSCILLATOR-CLOCK;29.49892MHz,100ppm,CMOS,TP,5V,	D-3	Top	
Y501	2801-003664	CRYSTAL-SMD;16MHz,50ppm,28-ACJ,16pF,50ohm,	E-2	Top	
Y502	2801-000111	CRYSTAL-SMD;32.768KHz,20ppm,28-AAW,20pF,50	C-2	Top	
	6001-001181	SCREW-MACHINE;CH,+,M1.6,L6.0,ZPC(YEL),SWRCH18A,-			EXT,FDD_CONN
	6001-001182	SCREW-MACHINE;PH,+,M2.0,L3.5,ZPC(YEL),SWRCH18A,FP			PCMCIA
	6009-001003	SCREW-SPECIAL;NO,-,+,M2.5,L5,WHT,FP			DOCKING CONN
	6021-000277	NUT-HEXAGON;2C,M2.6,ZPC(WHT),SWRCH10R			
	BA41-00033A	PCB-MAIN;JAZZ,-,-,157X304X1.2MM,1.2T			MAIN PCB
	BA60-00030A	FASTNER-CPU,A;PI4.0,L3.7,-,C3604BD-F			
	BA70-00030A	SHIELD-EXT,FDD;JAZZ,STS301,T0.15,-,FDD			
	BA72-00063A	INSULATOR-HDD;JAZZ,PET,V0,CLEAR,T0.1,-			
	BA73-00001A	RUBBER-SODIMM;JAZZ,CR,BLK,-,MM,-,-			
	BA96-20010B	ASSY,HARNESS;RTC BATTERY,48MM,2P,(RED/BLK),			

4 System Block Diagram

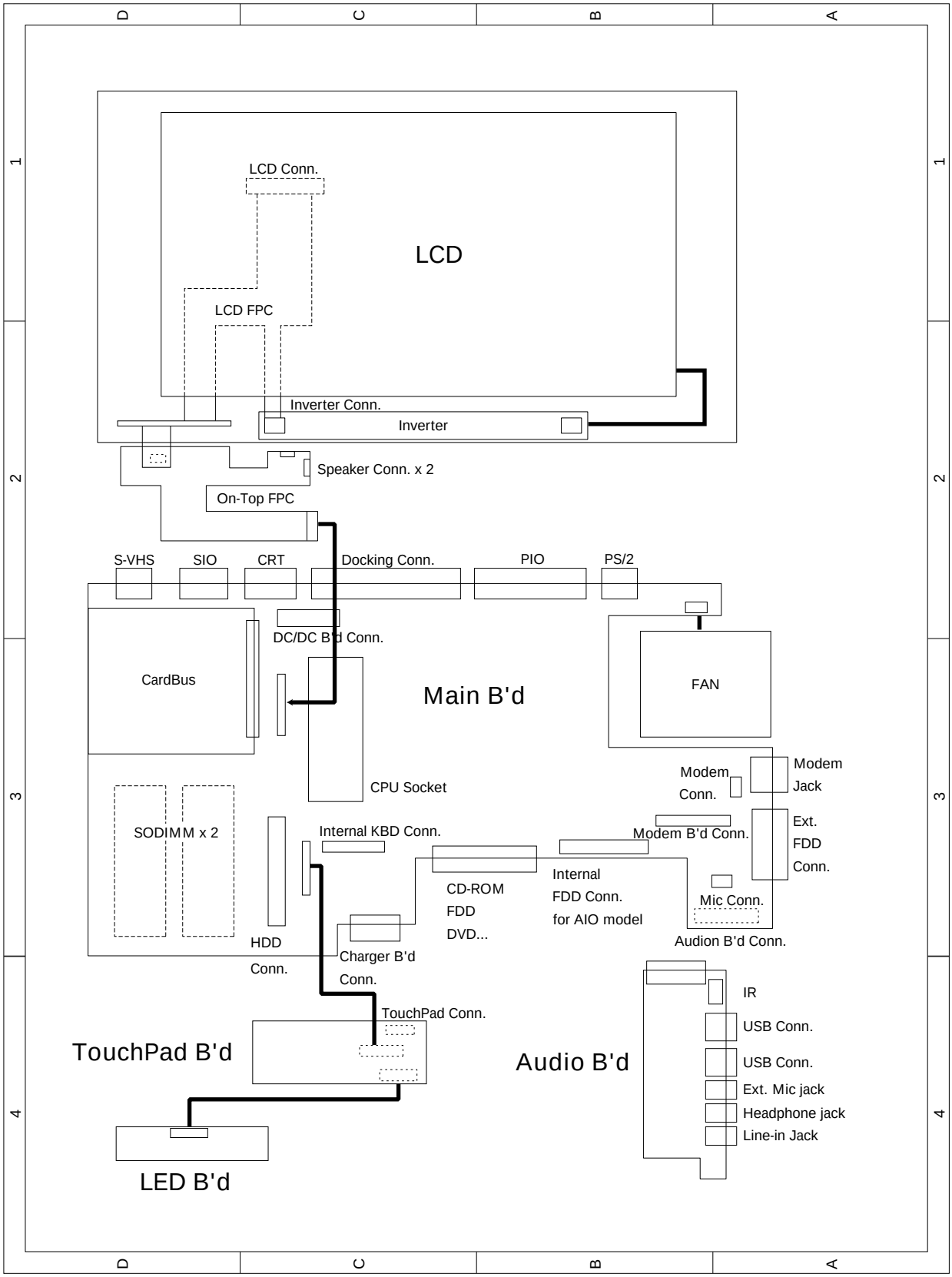


5-1-4 PCB Silkscreen




D
C
B
A
1
2
3
4
S/N
PCB CODE: BA41-00033A
JAZZ MAIN BOARD
REV.: 1.1(990313)

3 System Wiring Diagram



5 Schematic Diagrams and PCB Silkscreen

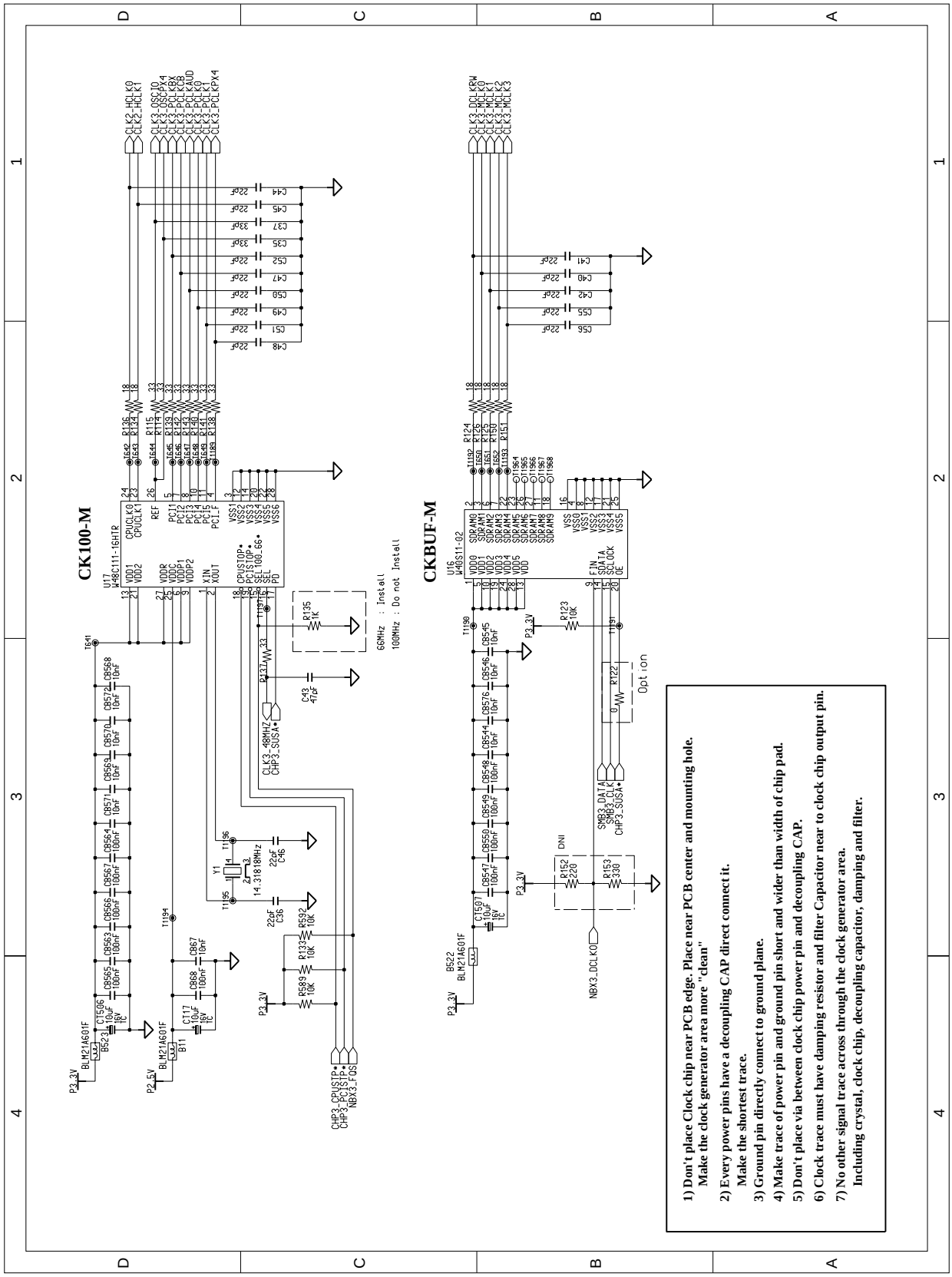
5-1 Main Board

5-1-1 Schematic Diagrams

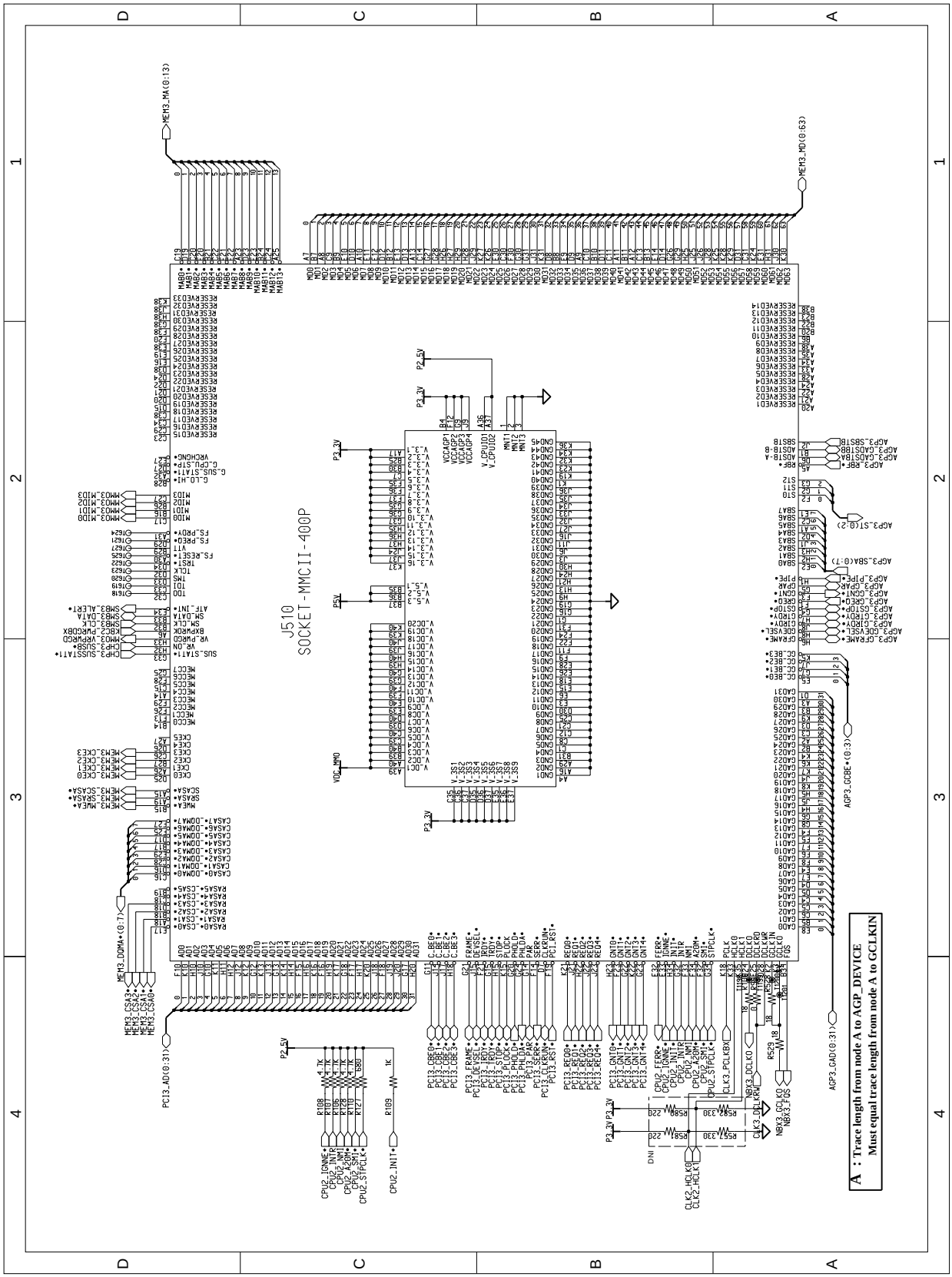
Index

Sheet	1.	Cover Sheet
Sheet	2.	Clock Chip
Sheet	3.	DIXON MMC-2
Sheet	4.	Memory Serial Terminator
Sheet	5.	SODIMM
Sheet	6.	PIIX4e-1
Sheet	7.	PIIX4e-2
Sheet	8.	PIIX4e-3
Sheet	9.	PC Card Controller
Sheet	10.	PC Card Connector
Sheet	11.	Flash ROM
Sheet	12.	HDD & CD-ROM Connector
Sheet	13.	Super I/O Controller
Sheet	14.	SIO, PIO, CRT & TV-out(S-VHS)
Sheet	15.	MICOM
Sheet	16.	MICOM Sub
Sheet	17.	USB, IR, Touch Pad & Key B'd
Sheet	18.	Video Controller
Sheet	19.	SGRAM & LCD Connector
Sheet	20.	Docking Connector
Sheet	21.	Mount Hole & Bypass Cap.
Sheet	22.	Audio Chip & IrDA I/F
Sheet	23.	PWR Conn. Ext FDD
Sheet	24.	Modem Connector
Sheet	25.	Test Point
Sheet	26.	Test Point

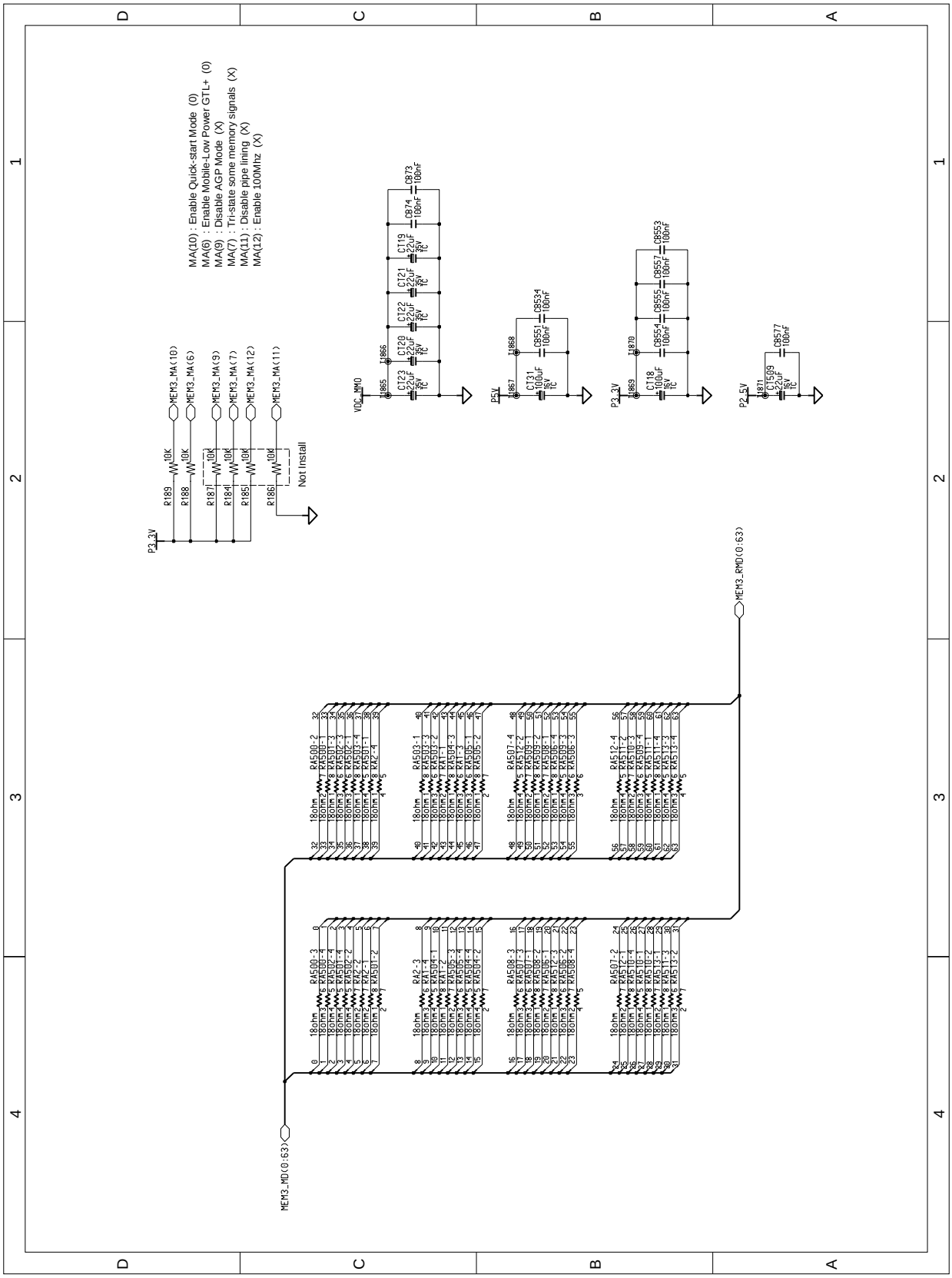
5-1-1(a) Main Board Schematic Sheet 2 of 26(Clock Chip)


CK100-M
CKBUF-M
U17
U49C111-16HTR
U16
U48S11-02
Option
1) Don't place Clock chip near PCB edge. Place near PCB center and mounting hole.
Make the clock generator area more "clean"
2) Every power pins have a decoupling CAP direct connect it.
Make the shortest trace.
3) Ground pin directly connect to ground plane.
4) Make trace of power pin and ground pin short and wider than width of chip pad.
5) Don't place via between clock chip power pin and decoupling CAP.
6) Clock trace must have damping resistor and filter Capacitor near to clock chip output pin.
7) No other signal trace across through the clock generator area.
Including crystal, clock chip, decoupling capacitor, damping and filter.

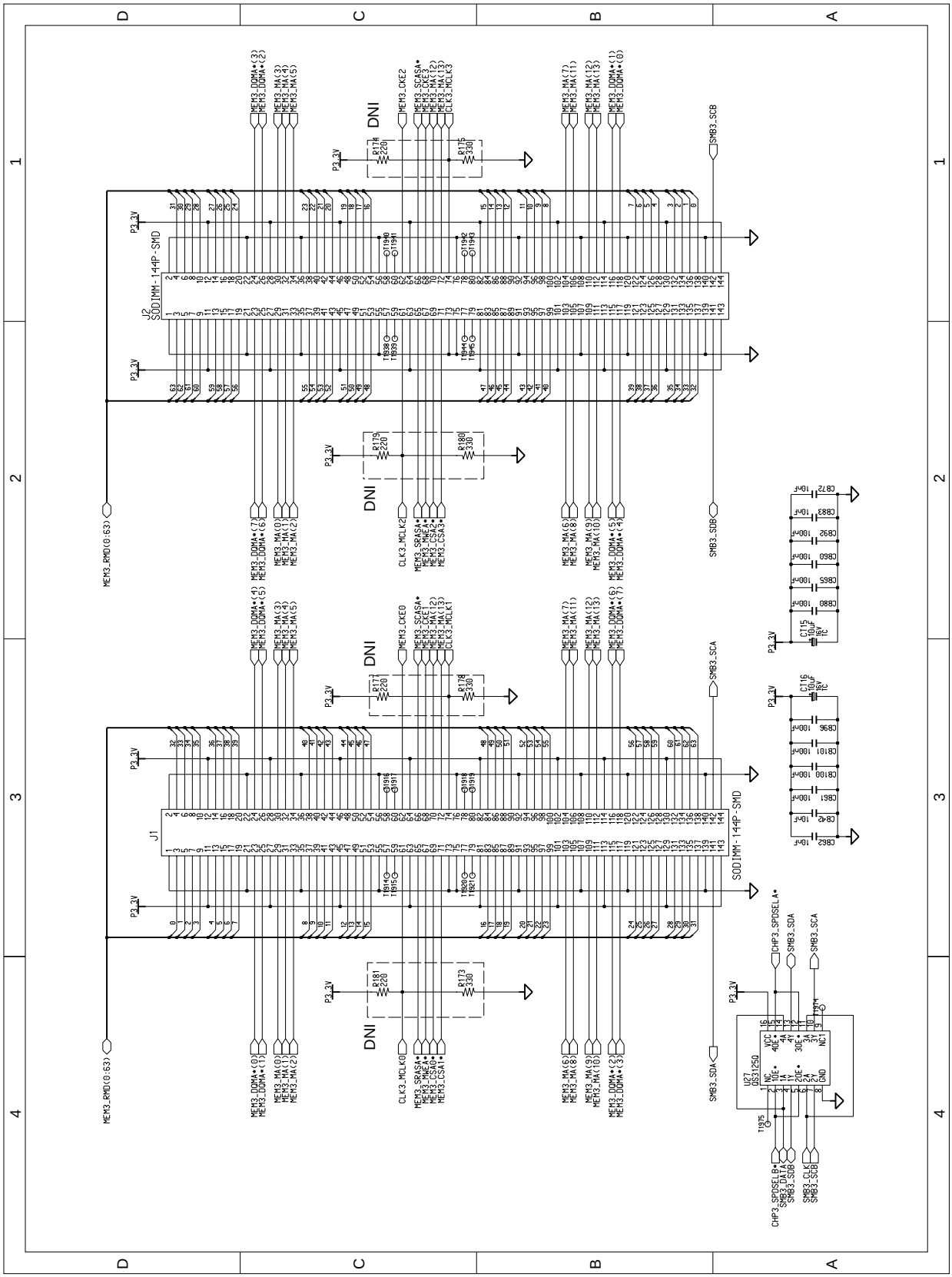
5-1-1(b) Main Board Schematic Sheet 3 of 26(DIXON MMC-2)



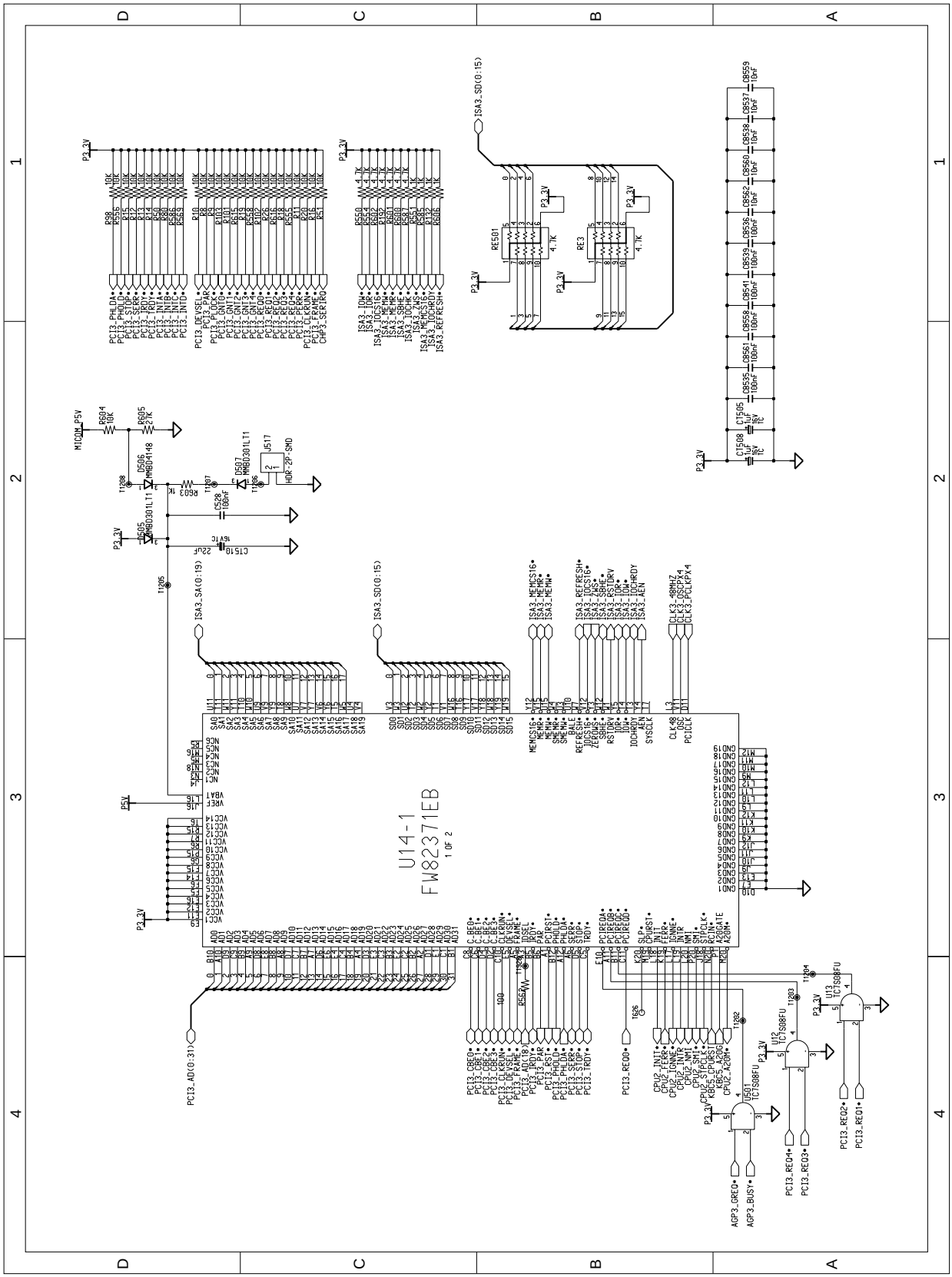
5-1-1(c) Main Board Schematic Sheet 4 of 26(MEMORY SERIAL TERMINATOR)



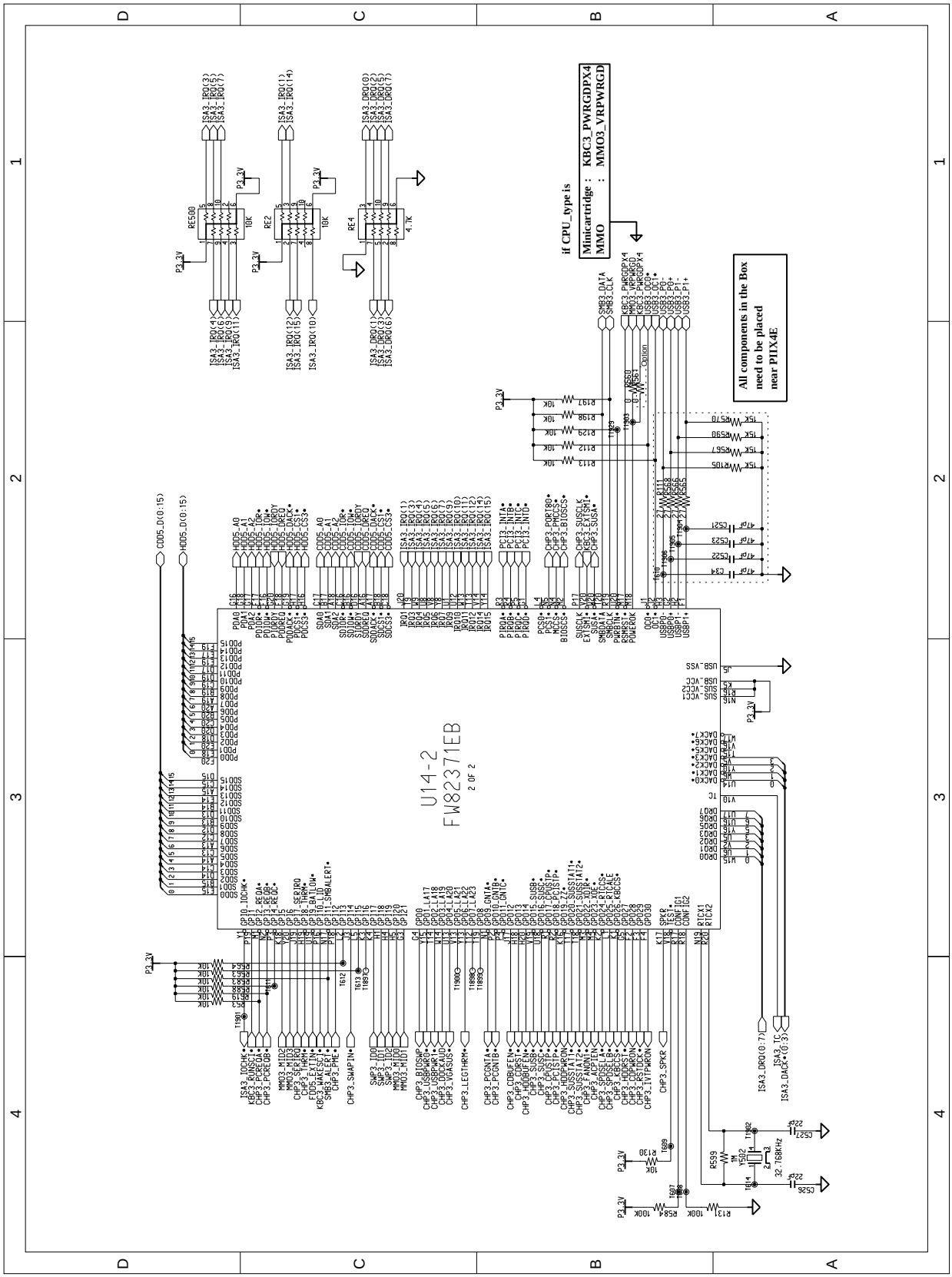
5-1-1(d) Main Board Schematic Sheet 5 of 26(SODIMM)



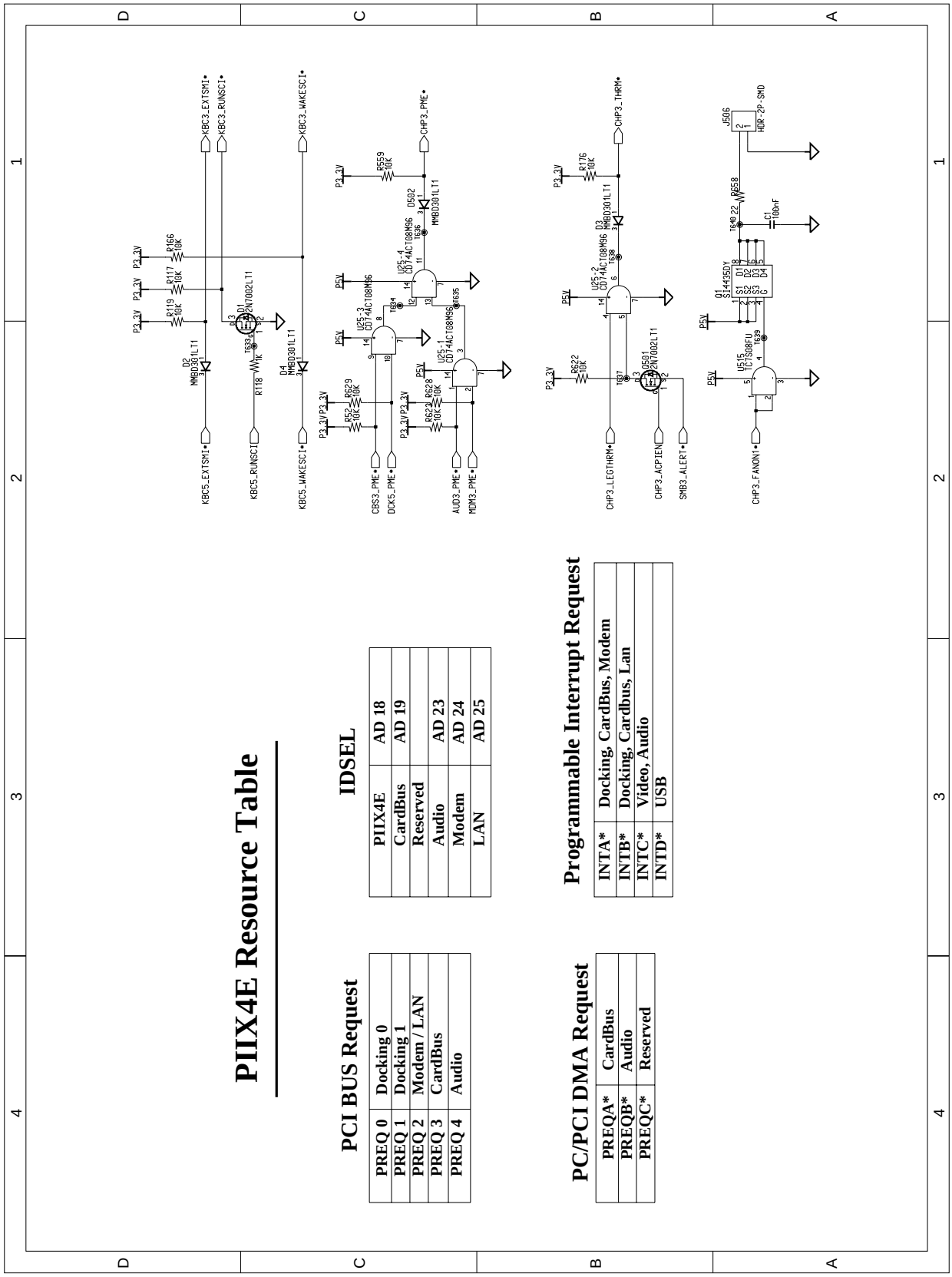
5-1-1(e) Main Board Schematic Sheet 6 of 26(PIIX4e-1)



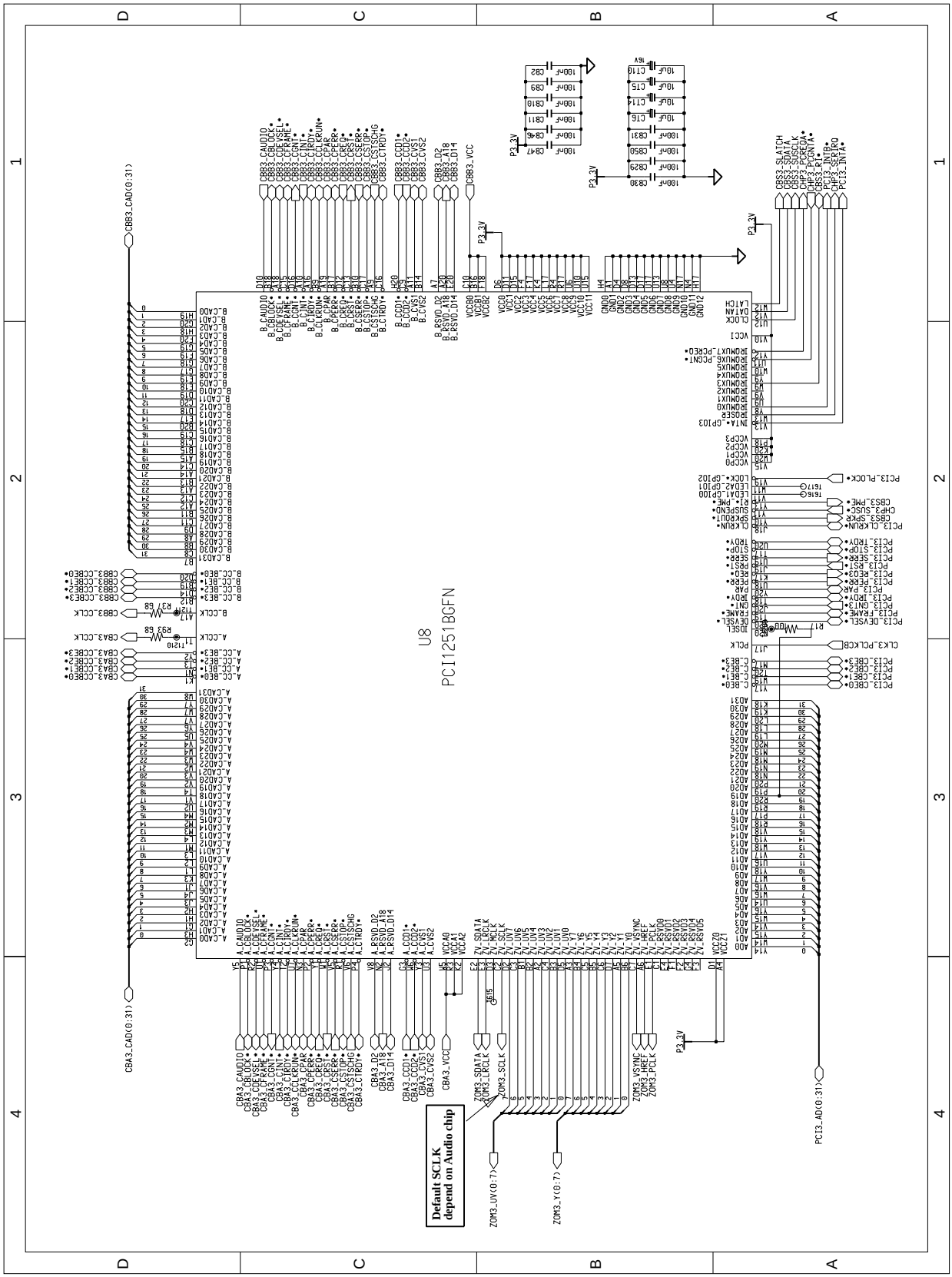
5-1-1(f) Main Board Schematic Sheet 7 of 26(PIIX4e-2)



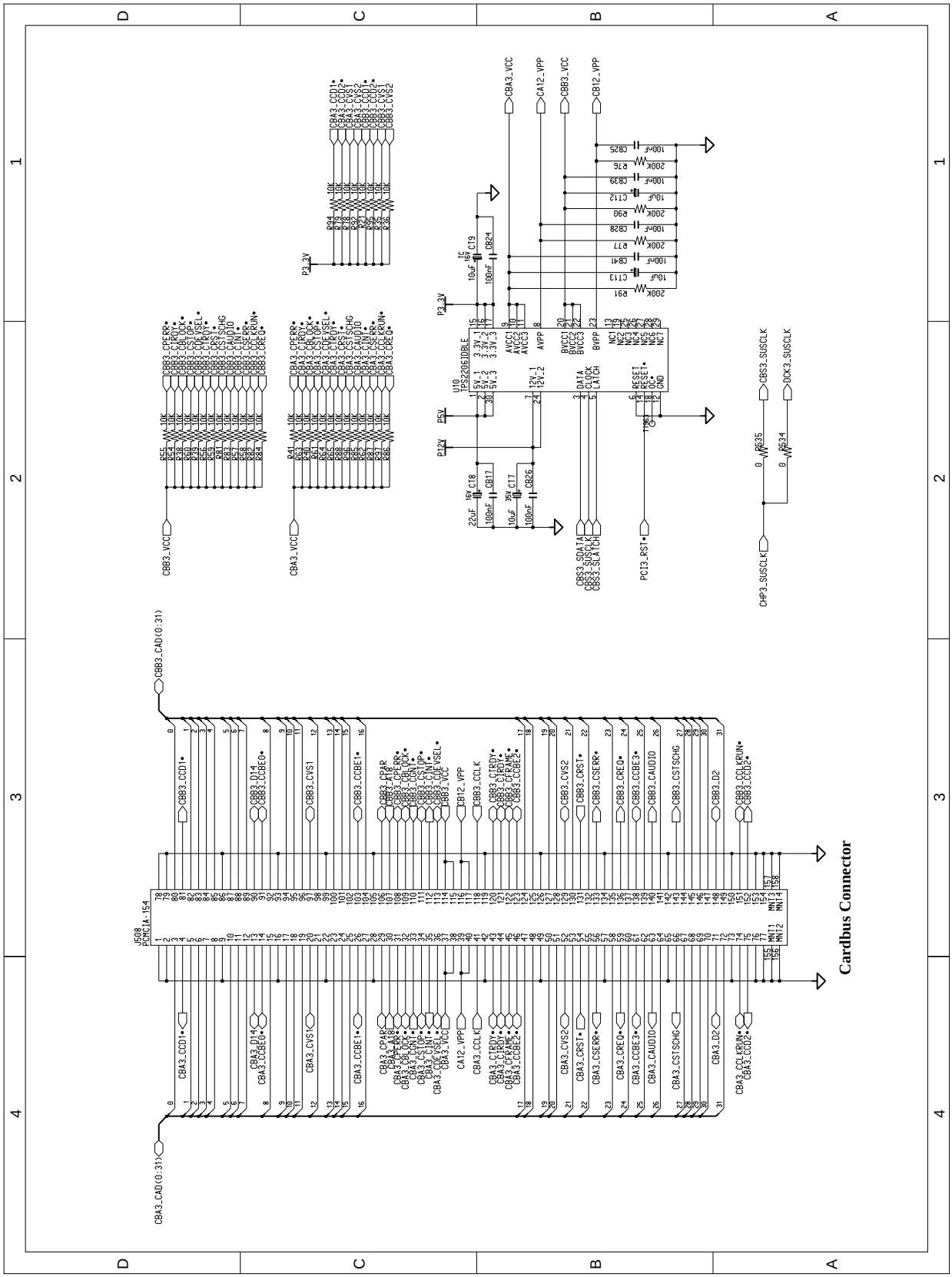
5-1-1(g) Main Board Schematic Sheet 8 of 26(PIIX4e-3)



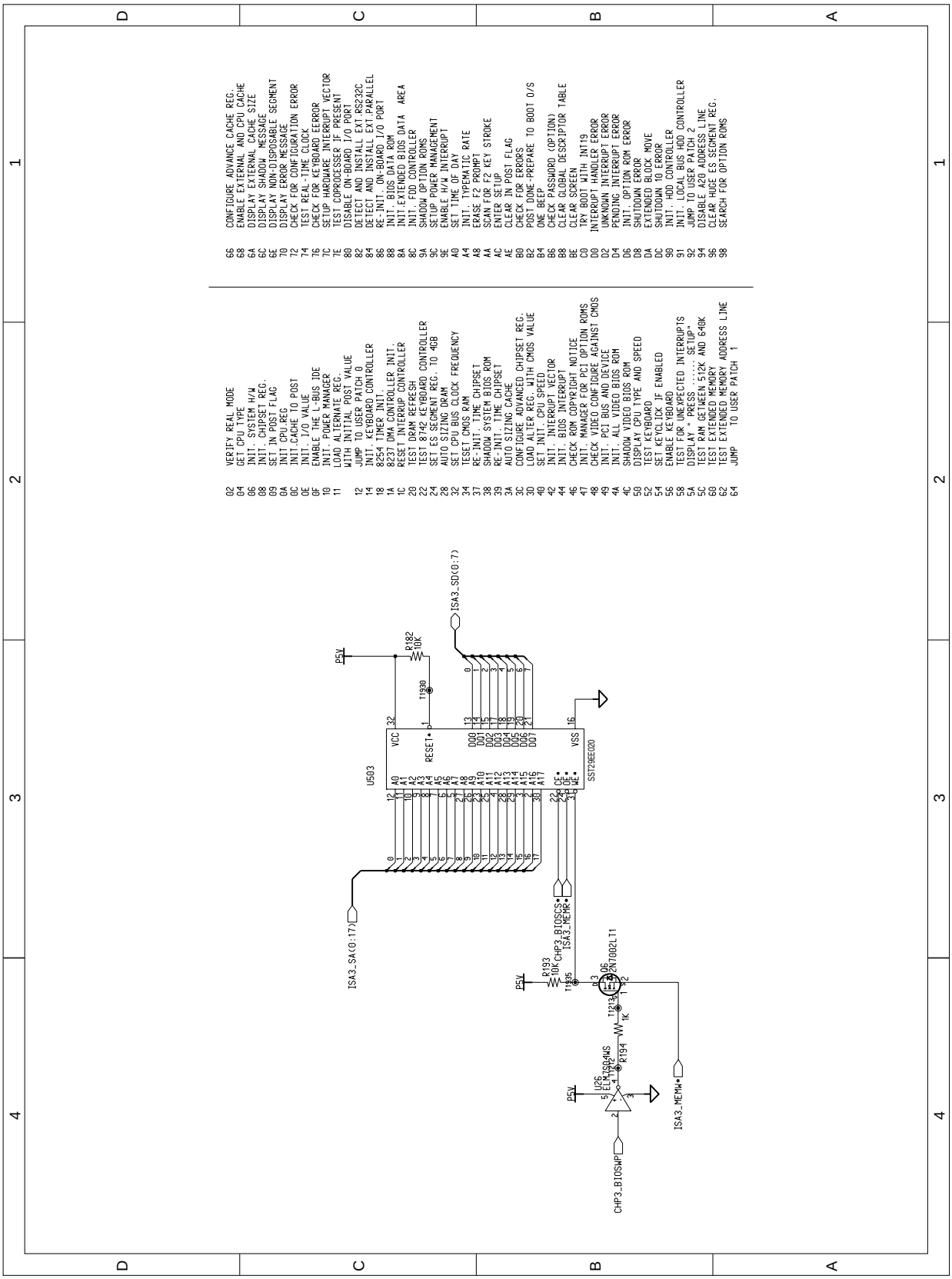
5-1-1(h) Main Board Schematic Sheet 9 of 26(PC CARD CONTROLLER)



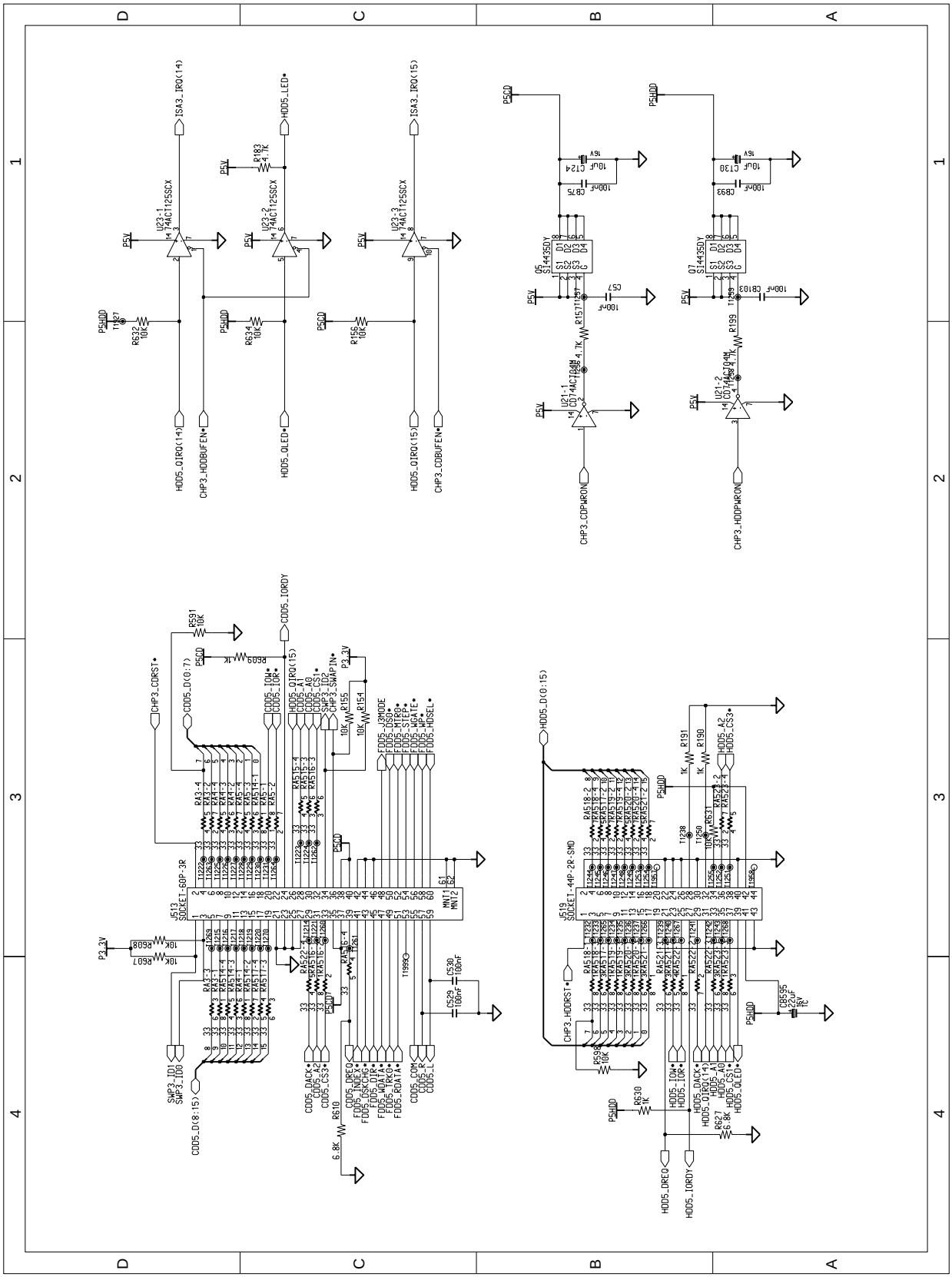
5-1-1(i) Main Board Schematic Sheet 10 of 26(PC CARD CONNECTOR)



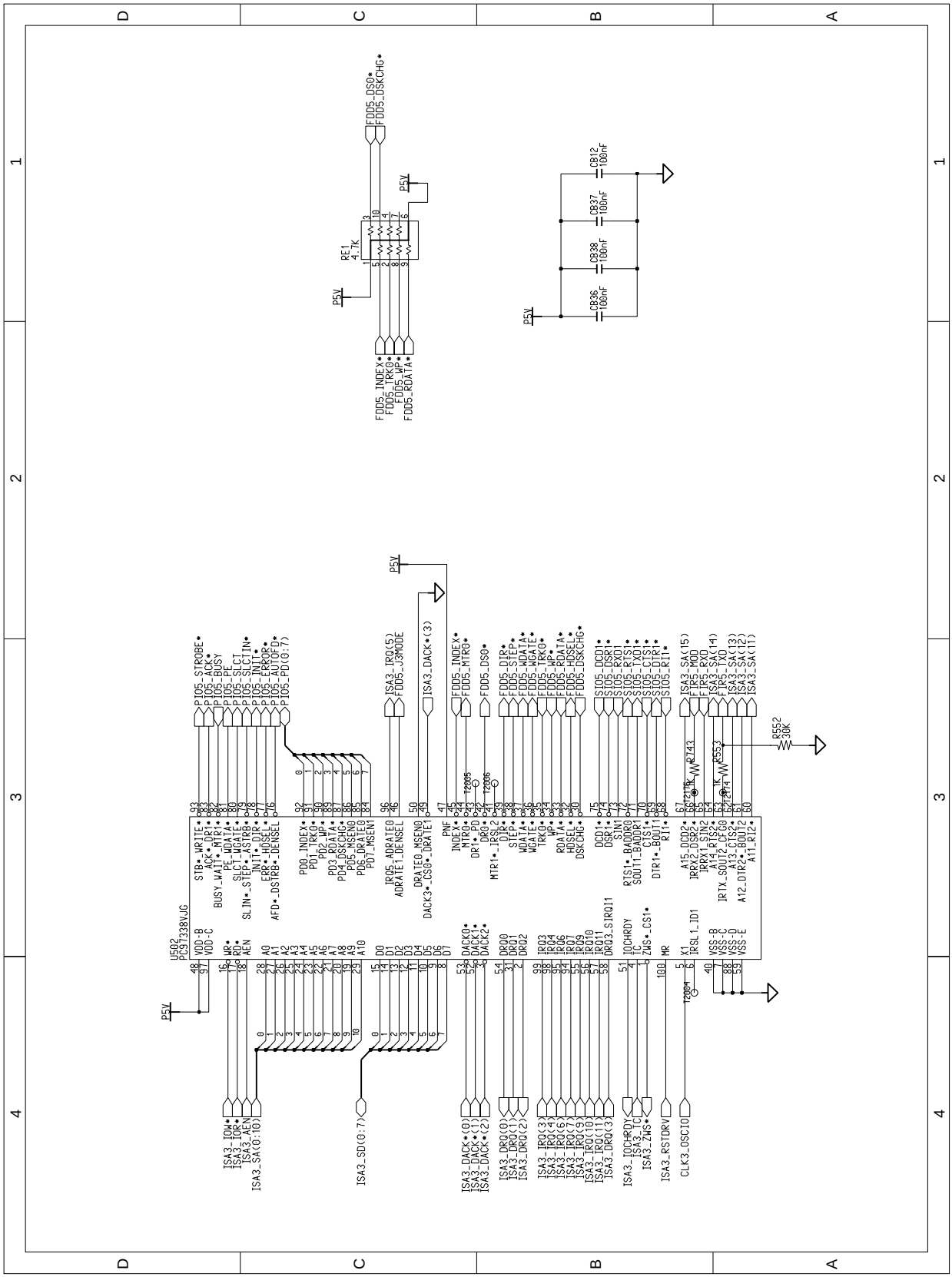
5-1-1(j) Main Board Schematic Sheet 11 of 26(FLASH ROM)


02 VERIFY REAL MODE
04 GET CPU TYPE
06 INIT. SYSTEM H/W
08 INIT. CHIPSET REG.
09 SET IN POST FLAG
0A INIT CPU REG.
0C INIT.CACHE TO POST
0E INIT. I/O VALUE
0F ENABLE THE L-BUS IDE
10 INIT. POWER MANAGER
11 LOAD ALTERNATE REG.
WITH INITIAL POST VALUE
12 JUMP TO USER PATCH 0
14 INIT. KEYBOARD CONTROLLER
18 8254 TIMER INIT.
1A 8237 DMA CONTROLLER INIT.
1C RESET INTERRUP CONTROLLER
20 TEST DRAM REFRESH
22 TEST 8742 KEYBOARD CONTROLLER
24 SET ES SEGMENT REG. TO 4GB
28 AUTO SIZING DRAM
32 SET CPU BUS CLOCK FREQUENCY
34 TESET CMOS RAM
37 RE-INIT. TIME CHIPSET
38 SHADOW SYSTEM BIOS ROM
39 RE-INIT. TIME CHIPSET
3A AUTO SIZING CACHE
3C CONFIGURE ADVANCED CHIPSET REG.
3D LOAD ALTER REG. WITH CMOS VALUE
40 SET INIT. CPU SPEED
42 INIT. INTERRUPT VECTOR
44 INIT. BIOS INTERRUPT
46 CHECK ROM COPYRIGHT NOTICE
47 INIT. MANAGER FOR PCI OPTION ROMS
48 CHECK VIDEO CONFIGURE AGAINST CMOS
49 INIT. PCI BUS AND DEVICE
4A INIT. ALL VIDEO BIOS ROM
4C SHADOW VIDEO BIOS ROM
50 DISPLAY CPU TYPE AND SPEED
52 TEST KEYBOARD
54 SET KEYCLICK IF ENABLED
56 ENABLE KEYBOARD
58 TEST FOR UNEXPECTED INTERRUPTS
5A DISPLAY " PRESS ..... SETUP"
5C TEST RAM GETWEEN 512K AND 640K
60 TEST EXTENDED MEMORY
62 TEST EXTENDED MEMORY ADDRESS LINE
64 JUMP TO USER PATCH 1
66 CONFIGURE ADVANCE CACHE REG.
68 ENABLE EXTERNAL AND CPU CACHE
6A DISPLAY EXTERNAL CACHE SIZE
6C DISPLAY SHADOW MESSAGE
6E DISPLAY NON-DISPOSABLE SEGMENT
70 DISPLAY ERROR MESSAGE
72 CHECK FOR CONFIGURATION ERROR
74 TEST REAL-TIME CLOCK
76 CHECK FOR KEYBOARD EERROR
7C SETUP HARDWARE INTERRUPT VECTOR
7E TEST COPROCESSER IF PRESENT
80 DISABLE ON-BOARD I/O PORT
82 DETECT AND INSTALL EXT RS232C
84 DETECT AND INSTALL EXT PARALLEL
86 RE-INIT. ON-BOARD I/O PORT
88 INIT. BIOS DATA ROM
8A INIT.EXTENDED BIOS DATA AREA
8C INIT. FDD CONTROLLER
9A SHADOW OPTION ROMS
9C SETUP POWER MANAGEMENT
9E ENABLE H/W INTERRUPT
A0 SET TIME OF DAY
A4 INIT. TYPEMATIC RATE
A8 ERASE F2 PROMPT
AA SCAN FOR F2 KEY STROKE
AC ENTER SETUP
AE CLEAR IN POST FLAG
B0 CHECK FOR ERRORS
B2 POST DONE-PREPARE TO BOOT O/S
B4 ONE BEEP
B6 CHECK PASSWORD (OPTION)
B8 CLEAR GLOBAL DESCRIPTOR TABLE
BE CLEAR SCREEN
C0 TRY BOOT WITH INT19
D0 INTERRUPT HANDLER ERROR
D2 UNKNOWN INTERRUPT ERROR
D4 PENDING INTERRUPT ERROR
D6 INIT. OPTION ROM ERROR
D8 SHUTDOWN ERROR
DA EXTENDED BLOCK MOVE
DC SHUTDOWN TO ERROR
90 INIT. HDD CONTROLLER
91 INIT. LOCAL BUS HDD CONTROLLER
92 JUMP TO USER PATCH 2
94 DISABLE A20 ADDRESS LINE
96 CLEAR HUGE ES SEGMENT REG.
98 SEARCH FOR OPTION ROMS
U503
SST29EE020
VCC
VSS
RESET
R182 10K
R193 10K
R194 1K
U26 ELM7SG04AS
Q3 2N7002LT1
P5V
ISA3_SA(0:17)
ISA3_SD(0:7)
CHP3_BIOSCS#
ISA3_MEMR#
ISA3_MEMW#
CHP3_BIOSWP

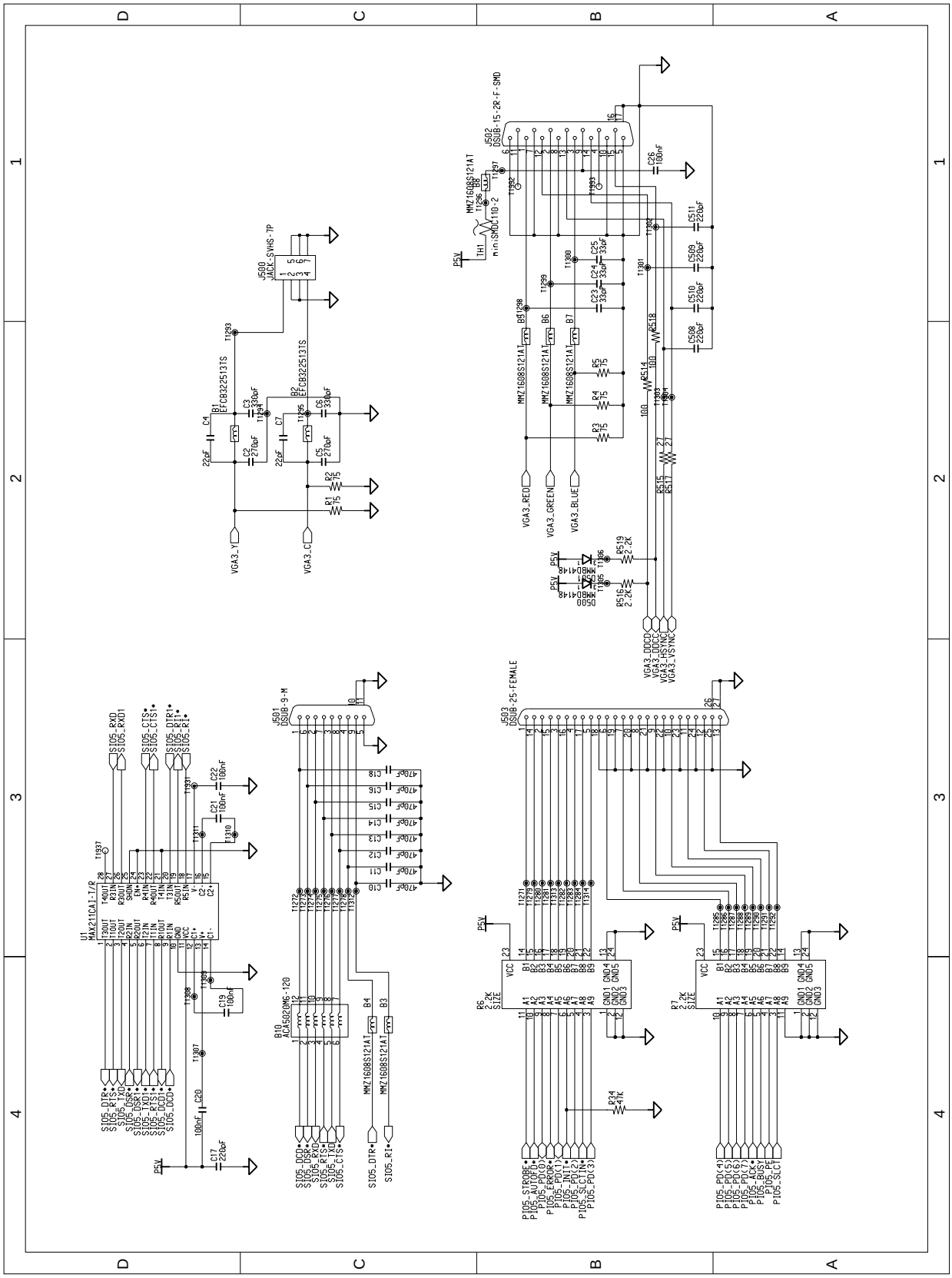
5-1-1(k) Main Board Schematic Sheet 12 of 26(HDD & CD-ROM CONNECTOR)



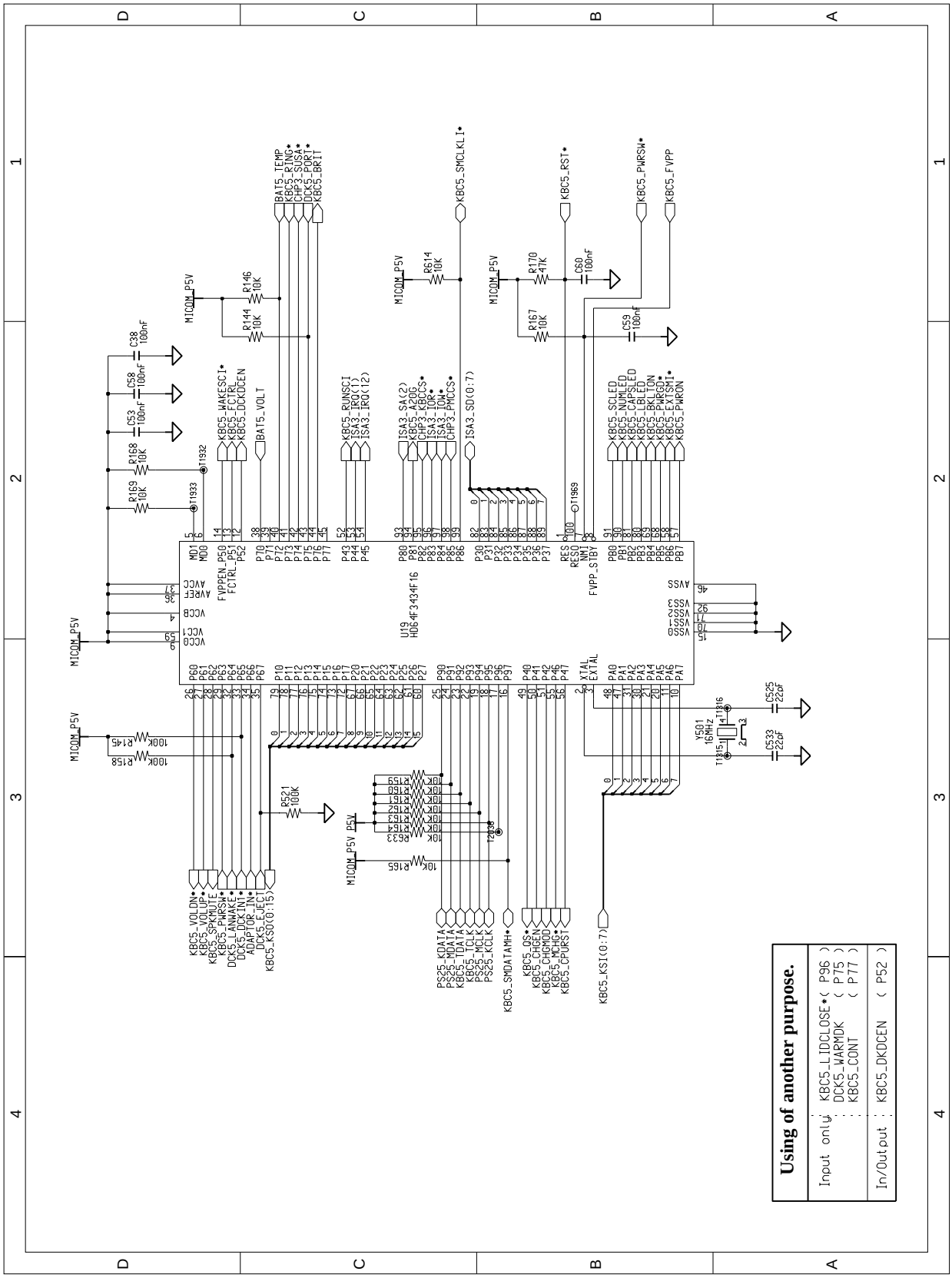
5-1-1(l) Main Board Schematic Sheet 13 of 26(SUPER I/O CONTROLLER)



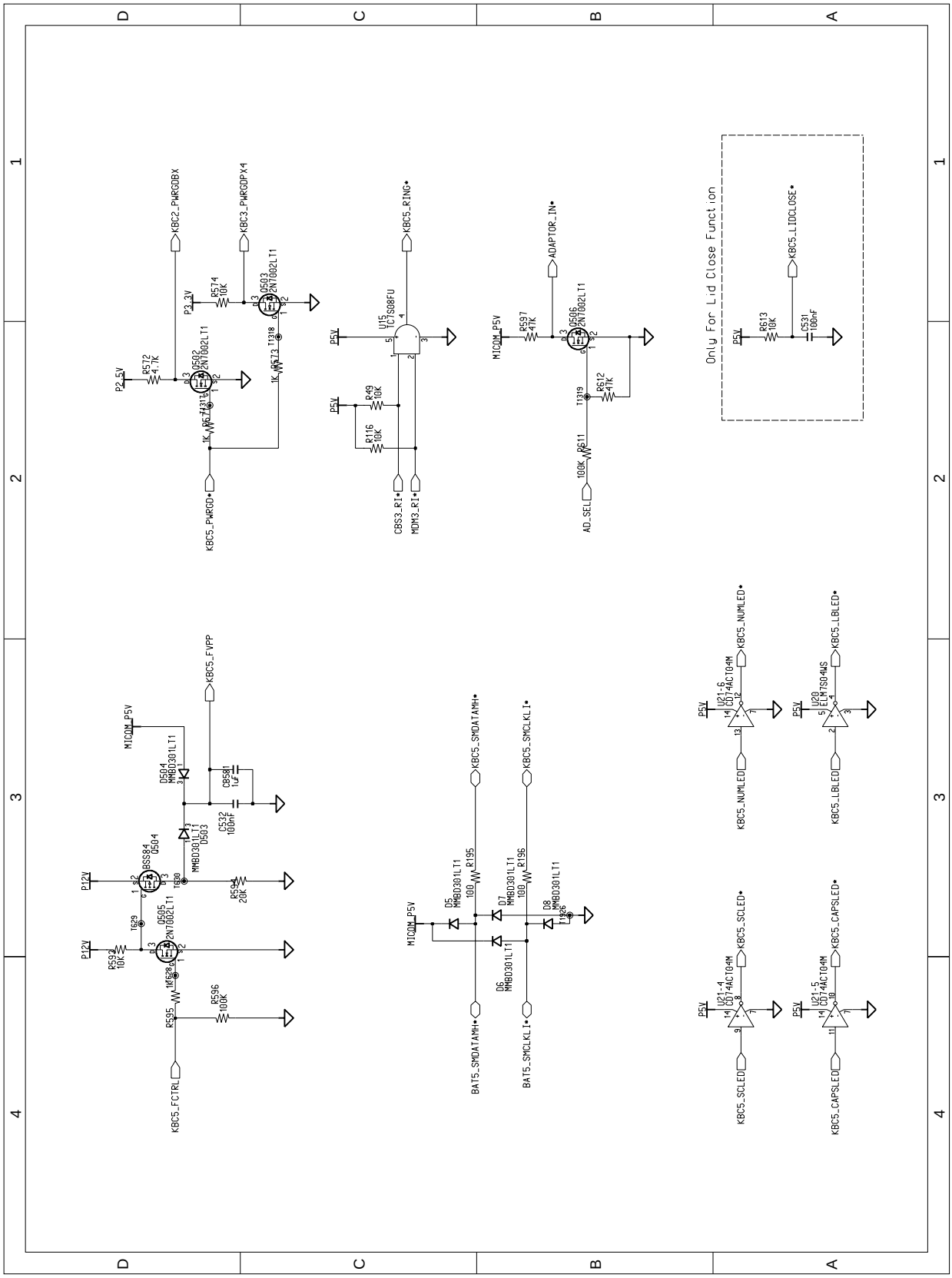
5-1-1(m) Main Board Schematic Sheet 14 of 26(SIO, PIO, CRT & TV_OUT[S-VHS])



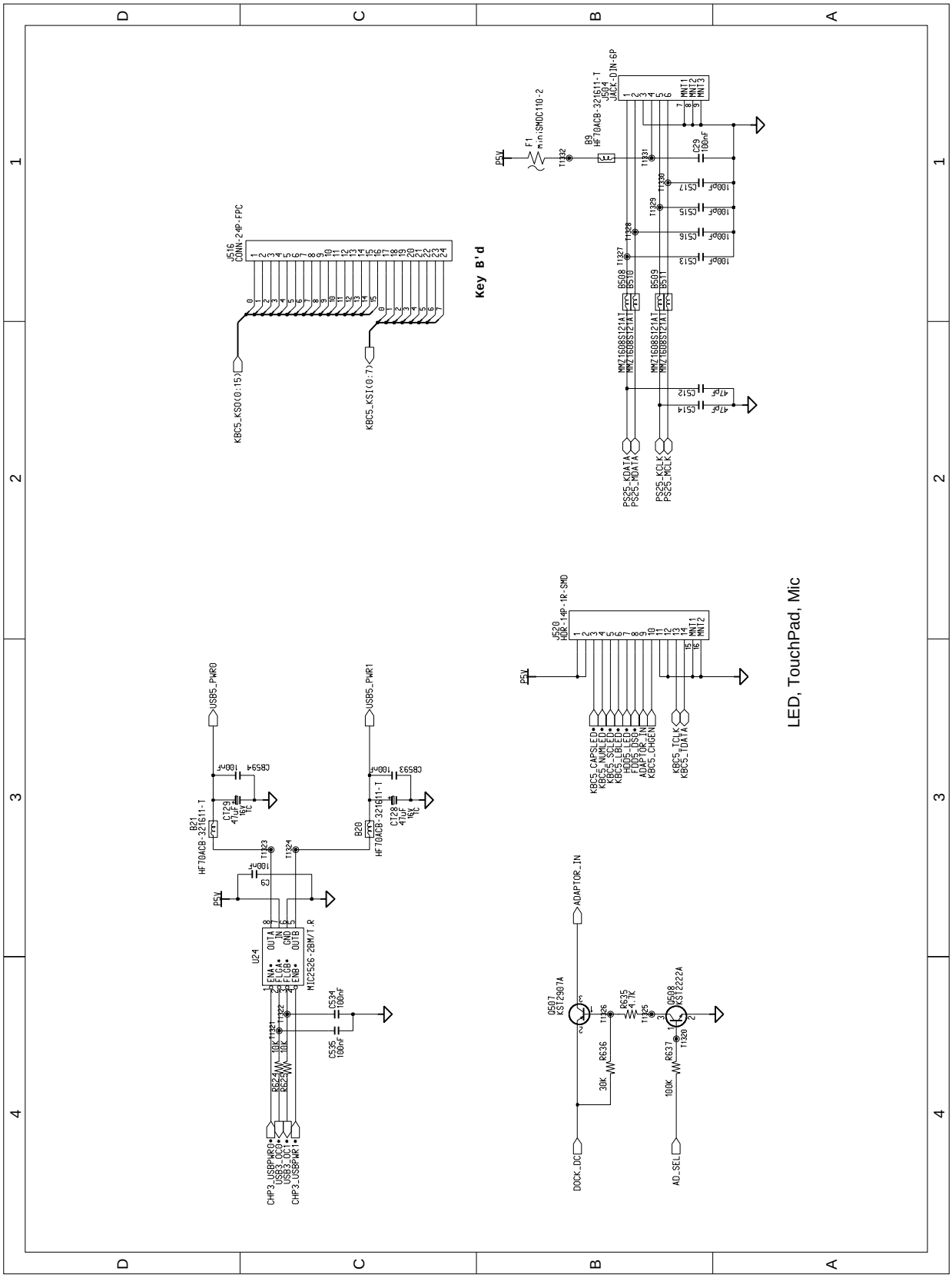
5-1-1(n) Main Board Schematic Sheet 15 of 26(MICOM)



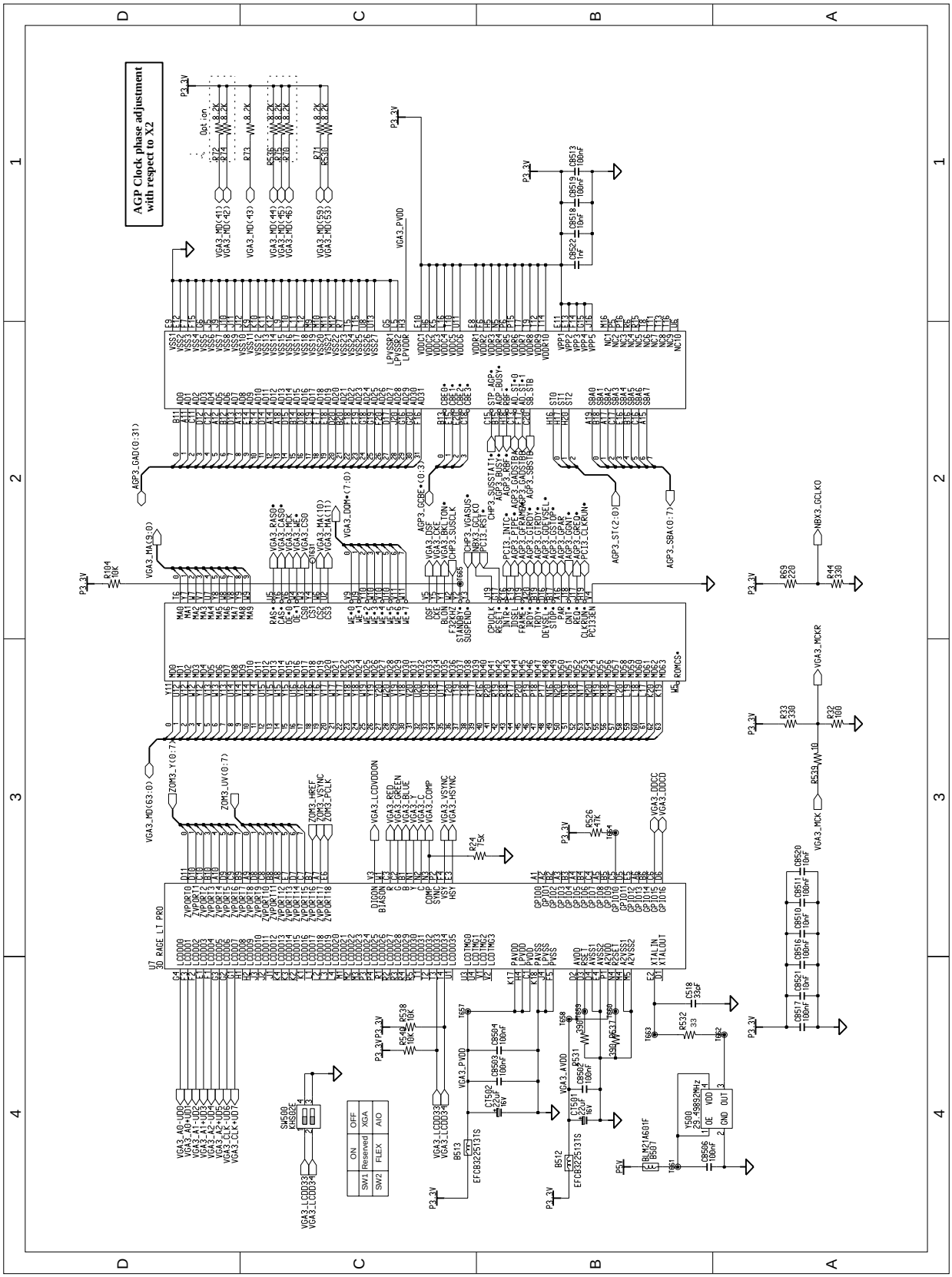
5-1-1(o) Main Board Schematic Sheet 16 of 26(MICOM SUB)



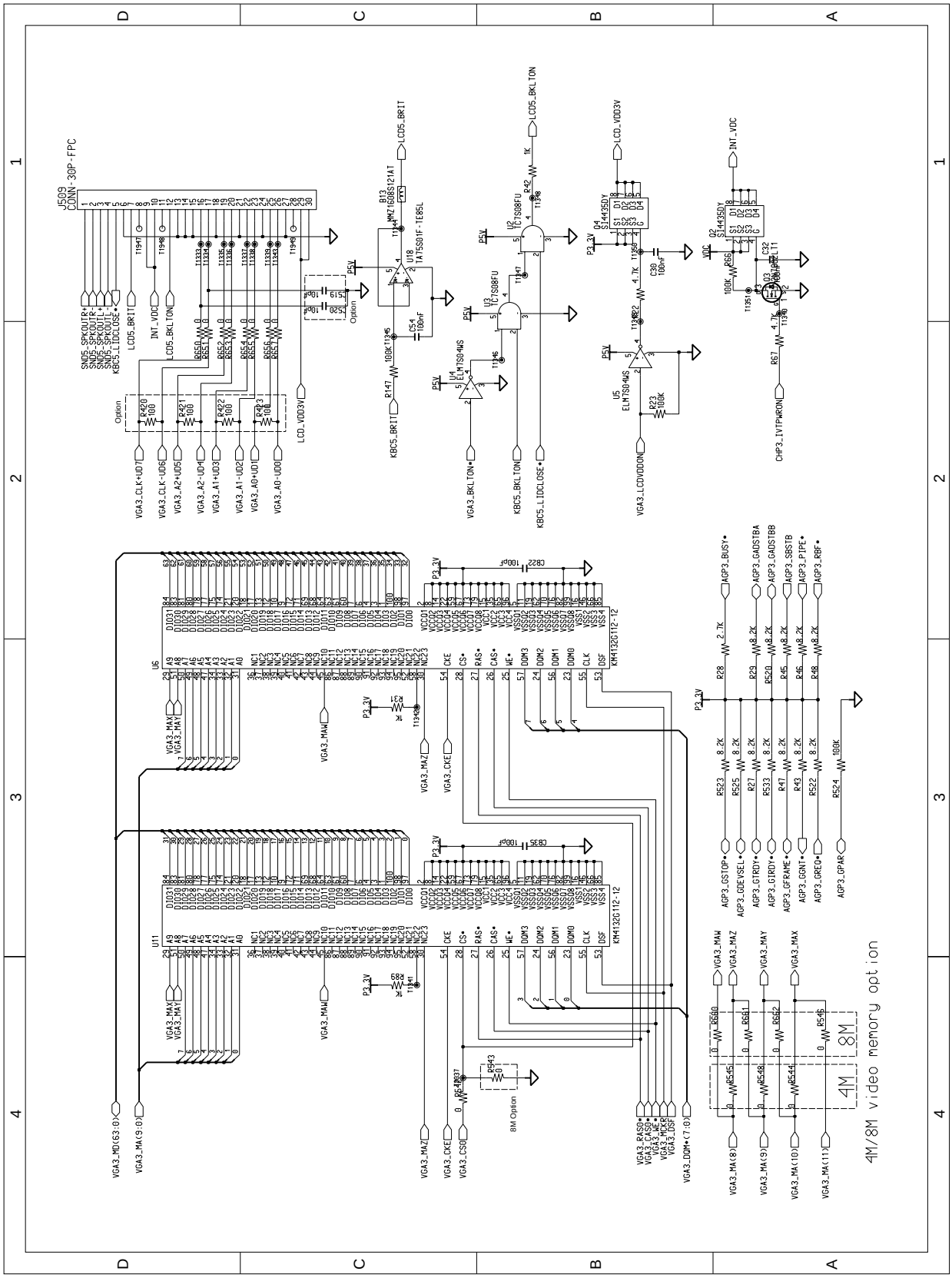
5-1-1(p) Main Board Schematic Sheet 17 of 26(USB, IR, TOUCH PAD & KEY B'D)



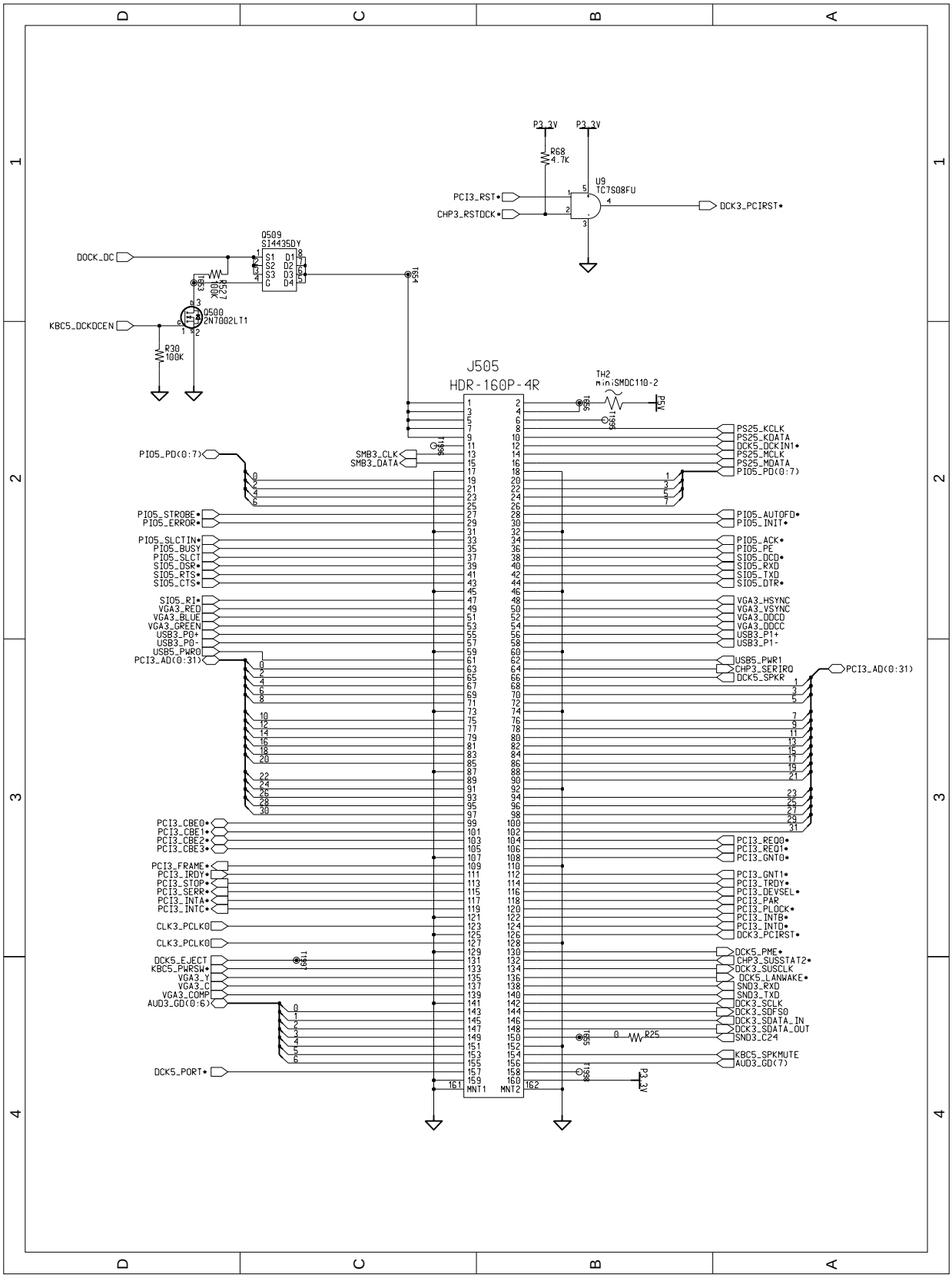
5-1-1(q) Main Board Schematic Sheet 18 of 26(VIDEO CONTROLLER)



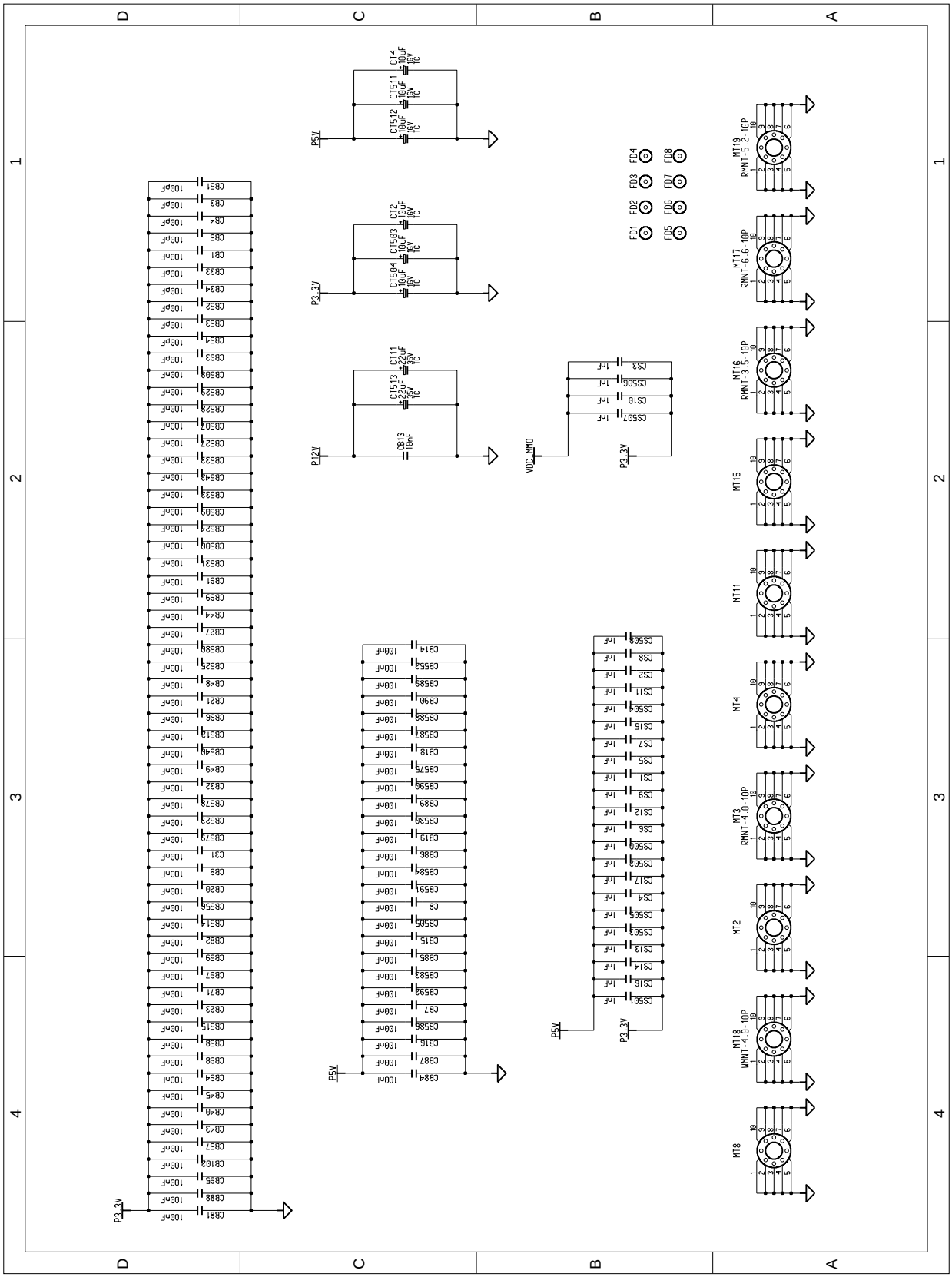
5-1-1(r) Main Board Schematic Sheet 19 of 26(SGRAM & LCD CONNECTOR)



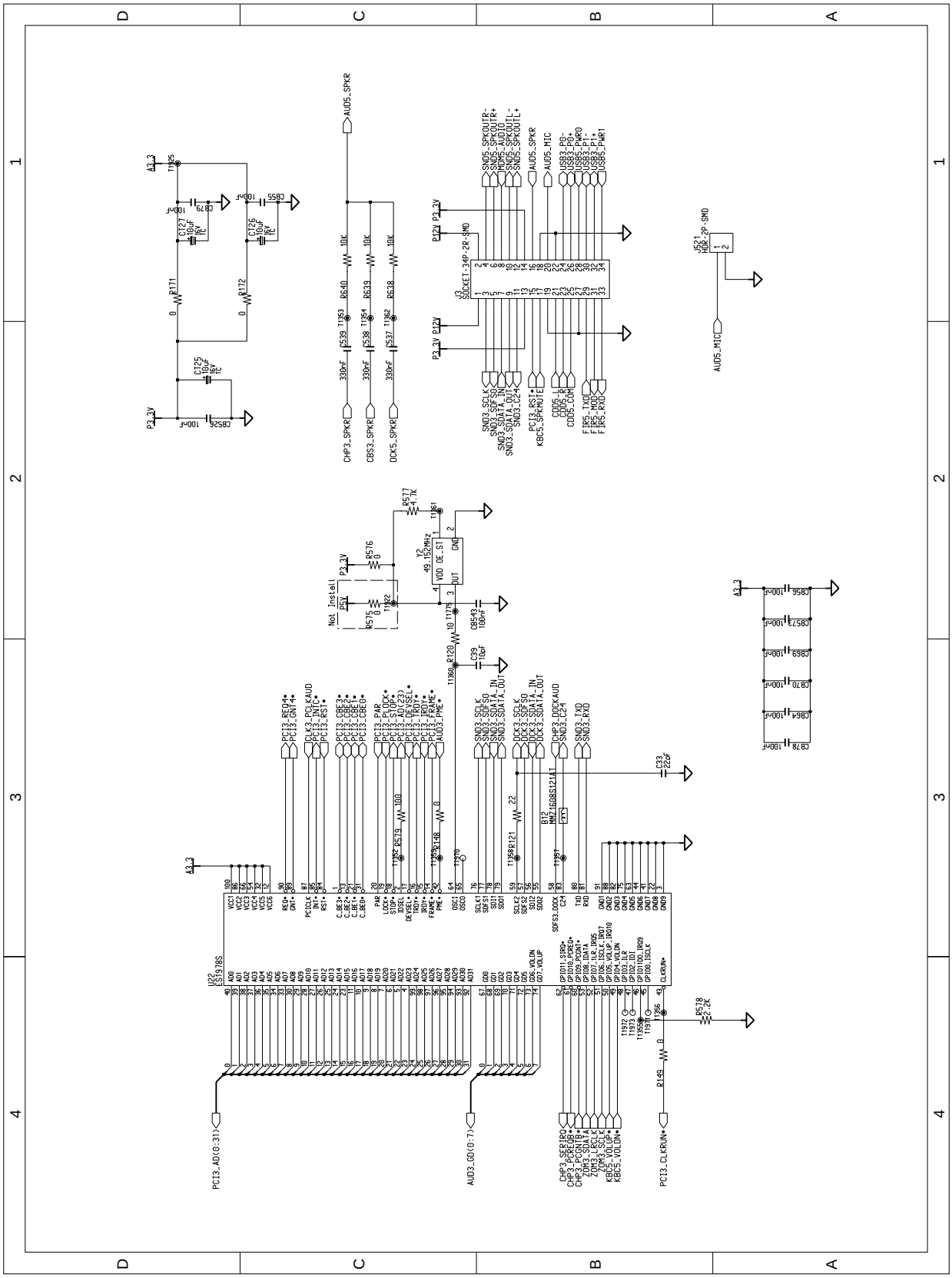
5-1-1(s) Main Board Schematic Sheet 20 of 26(DOCKING CONNECTOR)



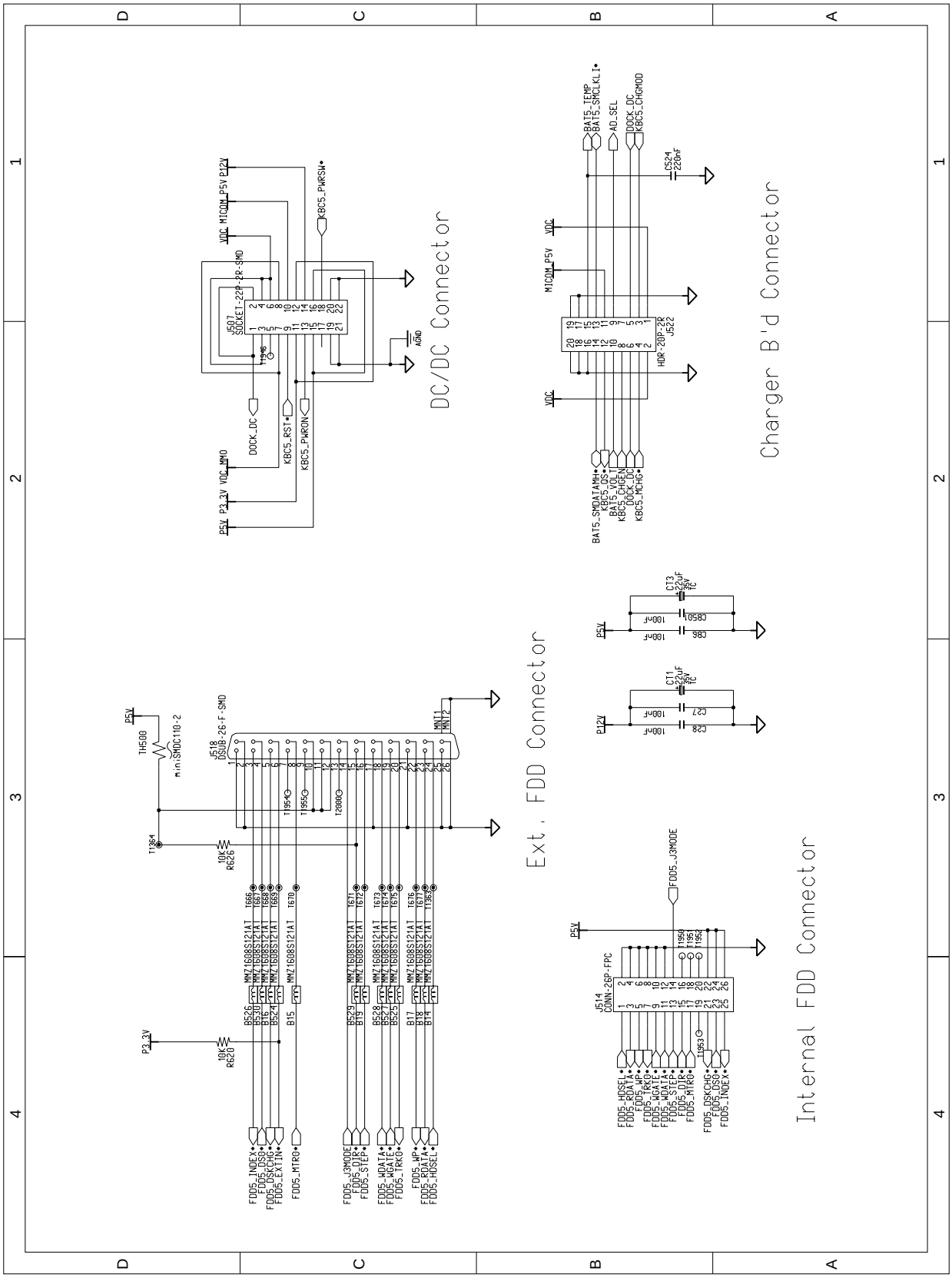
5-1-1(t) Main Board Schematic Sheet 21 of 26(MOUNT HOLE & BYPASS CAP.)



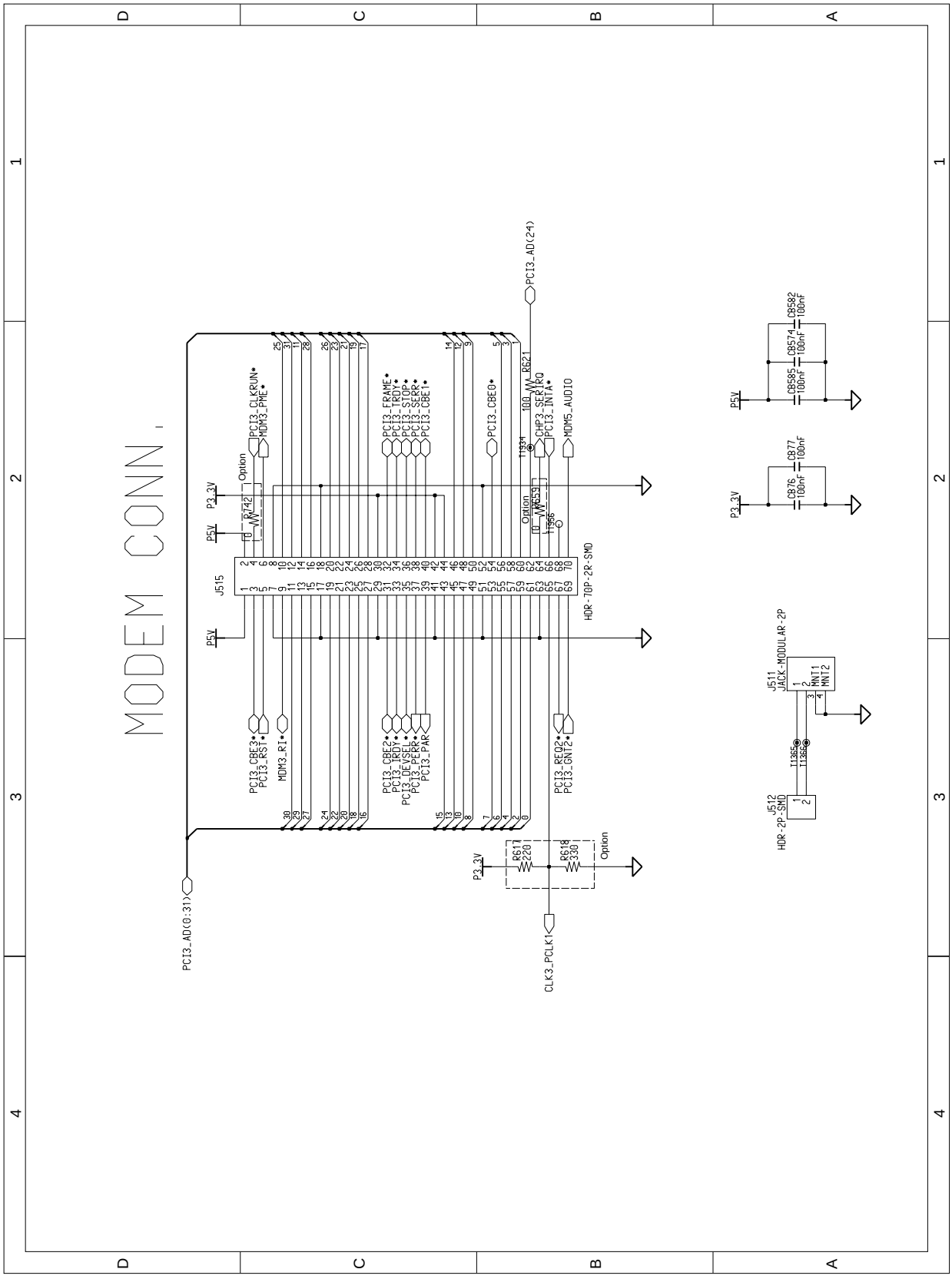
5-1-1(u) Main Board Schematic Sheet 22 of 26(AUDIO CHIP & IrDA I/F)



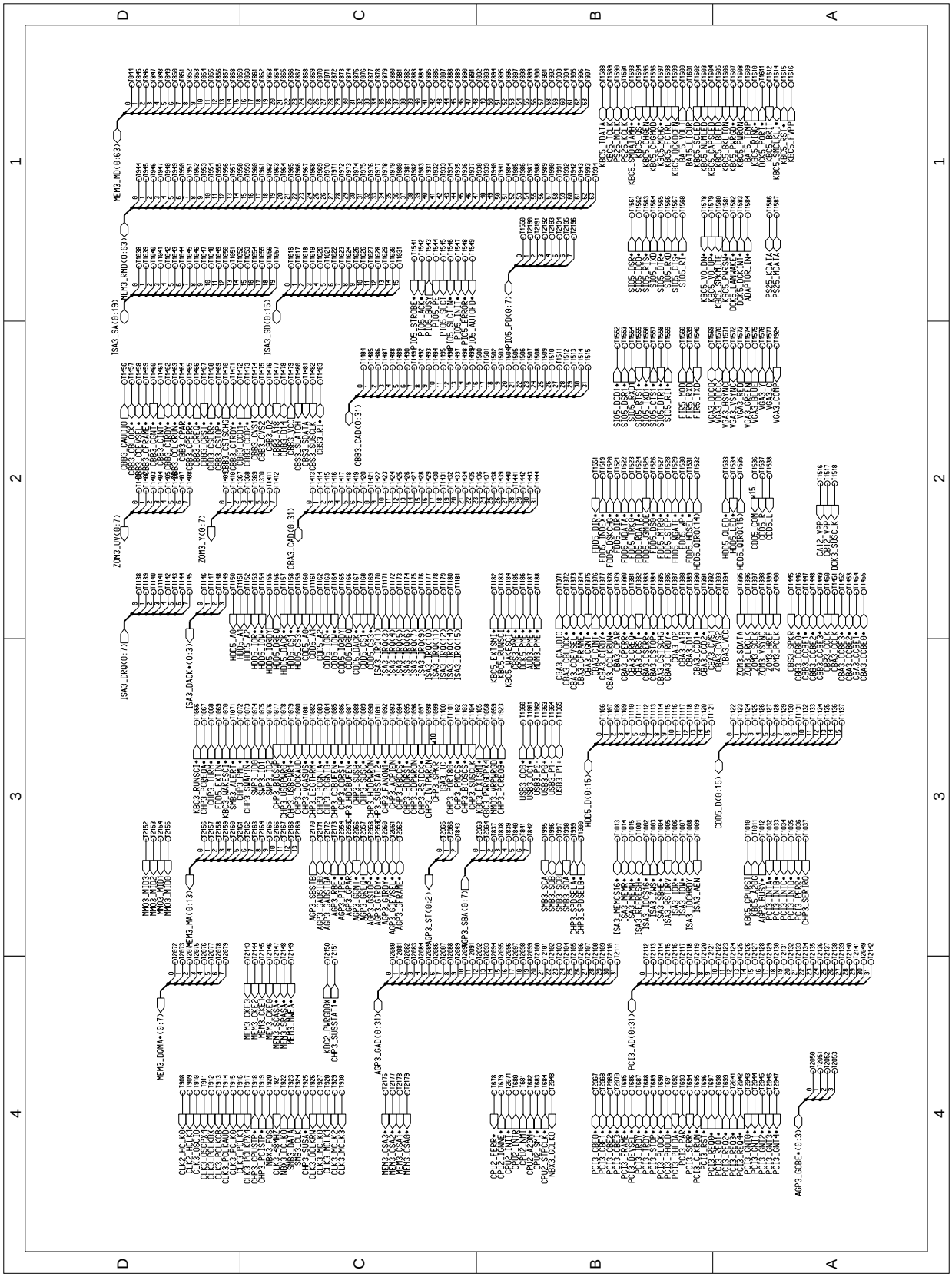
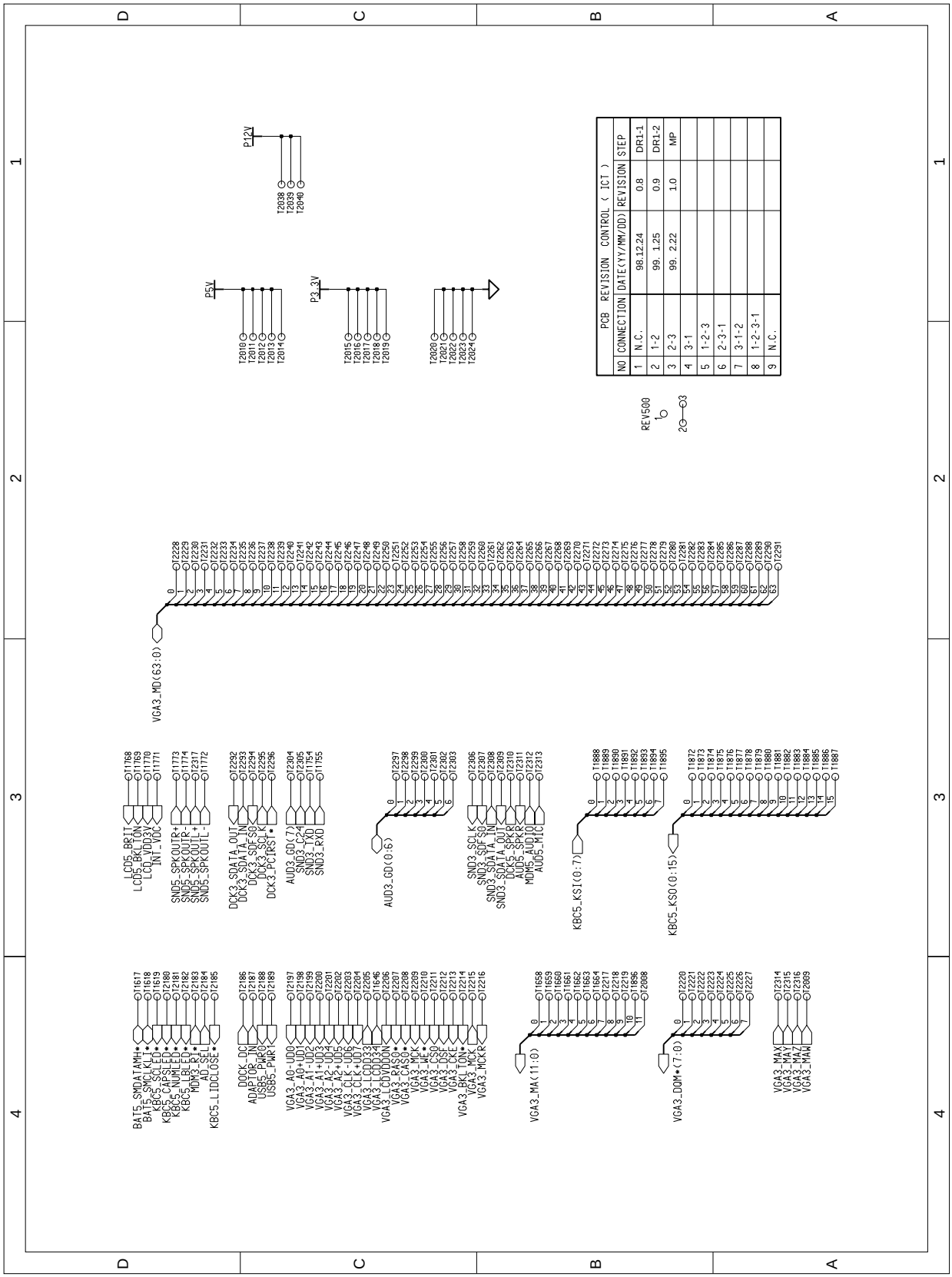
5-1-1(v) Main Board Schematic Sheet 23 of 26(PWR CONN. EXT FDD)



5-1-1(w) Main Board Schematic Sheet 24 of 26(MODEM CONNECTOR)



5-1-1(x) Main Board Schematic Sheet 25 of 26



5-1-1(y) Main Board Schematic Sheet 26 of 26